una health

LABORATORY DIAGNOSTICS

CATALOGUE

Doing things differently in medical diagnostics

UNA HEALTH

ABOUT US

Una Health Ltd is a leading UK distributor of diagnostics for the laboratory and point of care. Founded in 2009, we are an independent company with one key aim – to reshape the patient journey and improve overall healthcare.

We believe that better healthcare is about harnessing existing technology to elevate outcomes as well as utilising cutting-edge, innovative diagnostics. We supply specialist, innovative and appropriate healthcare solutions, backed by a team with exceptional levels of experience, knowledge and support.

Collaborating with global suppliers, we strive to fulfil the diverse needs of our customers. Our pioneering approach to customer care is rooted in principles of fairness, flexibility, and transparency.

Our comprehensive solutions span various healthcare areas, including Community Care, Diabetes Management, Cardiovascular, Oncology, Paediatrics, Respiratory, Urinalysis, AMR and laboratory diagnostics.

The exceptional customer support and comprehensive in-person or e-learning training (CPD accredited) differentiate us in the industry. Our products participate in numerous EQA schemes, ensuring the highest standards of quality and performance.

WHAT MAKES US DIFFERENT?

Our aim is not only to provide innovative, cost-effective pathology and point-of-care diagnostics to the UK healthcare sector, but also to explore new ways in which our products can be used to improve efficiency and patient outcomes. Our approach to customer care is equally ground-breaking, with fairness, flexibility and transparency at its heart.

We innovate the way we approach diagnostics with a focus on challenging traditional pathways.

We're adaptable, accessible and flexible to our customer needs; with specialist professionals to add value to your business.

Our friendly and positive attitude means we look for solutions to 'how we can' rather than 'why we can't'.

Communication is key here at Una and we work closely with customers and suppliers alike.

We have our customers at our heart and are small enough to care yet big enough to cope.

UNA HEALTH

OUR PARTNERS

We take pride in our commitment to seamlessly connect with global suppliers, fostering partnerships and networks that deliver exceptional products and services and fulfil the diverse needs of our customers.

NG Biotech is an innovative biotech company based in France, developing and manufacturing novel in vitro diagnostic tools for Therapy Monitoring at the Point of Care. Founded by pioneers of the rapid test industry, NG Biotech has developed a proprietary patented immunoassay platform enabling the development of qualitative and multiplex point-of-care diagnostics.

TECHLAB® is a market leader of innovative, rapid, non-invasive diagnostic tests for gastrointestinal diseases. The company designs, develops, and manufactures enteric diagnostics that are distributed worldwide and hold ISO 13485 certification, MDSAP, and FDA registration.

Fortress Diagnostics® is a multi-award-winning global provider of in vitro diagnostics (IVDs). Fortress develop, manufacture and support an extensive portfolio of clinical diagnostic tests in the United Kingdom, providing solutions to immunology, haematology and serological laboratories in hospitals, medical centres, clinics, blood banks and research institutions.

Nal von Minden is a German company developing and manufacturing in-vitro diagnostics. 4 decades of research, development and experience have gone into their products and ensure their unique quality. Nal von Minden were among the firt to offer COVID-19 anntigen tests. More than 300 million tests have been sold since then.

KOVA International is a leading manufacturer of quality controls and consumables for the clinical diagnostic laboratory. The company's primary focus lies in producing urinalysis controls available in both lyophilised and ready-to-use liquid forms. With a US manufacturing base, the KOVA® brand is certified to ISO 13485:2003 and it is cGMP qualified.

Quantimetrix® designs, develops, and manufactures laboratory-quality products at their headquarters in California. Leaders in the field of liquid-stable quality control products, Quantimetrix pioneered these innovations more than 40 years ago. Their portfolio improves the efficiency and reliability of laboratory testing and patient care.

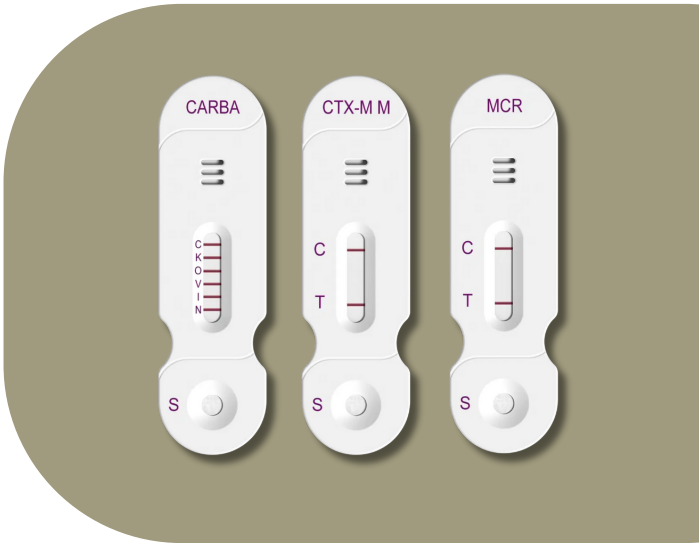
AUDIT® MicroControls™, a US-based manufacturer, offers a complete line of multi-level materials including serum and urine-based matrices.
Audit MicroControls' calibration verification/linearity and quality control ranges cover areas including blood gas, cardiac, diabetes, general chemistry, immunoassay, therapeutic drug monitoring, urinalysis.

LABORATORY DIAGNOSTICS

CONTENTS

NG BIOTECH LABORATOIRES

AMR RANGE



The rapid diagnostic tests from NG Biotech have been developed in collaboration with the French CEA, enabling fast, easy and accurate detection of antimicrobial resistance (AMR) in (multi) drug-resistant bacteria (MDR). These cutting-edge antimicrobial resistance tests enable rapid detection in just 15 minutes. Using patented technology for superior sensitivity and sensitivity, they provide results you can trust, verified by over 100 scientific publications.

FAST

Reduces wait times:
results in only 15 minutes

COMPREHENSIVE

Detects multiple mechanisms

EASY TO PERFORM

AMR detection direct from
bacterial cultures

ANTIMICROBIAL STEWARDSHIP

Ensures appropiate use of
tailored antibiotics

HOW IT WORKS

The NG-Test AMR rapid test is a visual, multiplex lateral flow immunochromatographic assay, developed using patented technology. Each single-use cassette offers rapid, qualitative detection and differentiation of different antimicrobial resistance mechanisms among non-susceptible colonies of Gram-negative bacteria.

The patented new multi-layer, multi-conjugate lateral flow platform utilised across the NG AMR product range increases the capacity of key biomarkers, whilst maintaining the high quality of detection. The NG-Test AMR platform is based on lateral flow immunochromatographic principles.

HOW IT HELPS

Rapid detection of antimicrobial resistant bacteria is paramount to a patient receiving appropriate treatment in a timely manner and is necessary to inform infection prevention actions. The NG Biotech lateral flow kits offer equivalent results to molecular detection methods in a fraction of the time, with no need for additional equipment and associated maintenance costs. Hands on time to prepare the test is minimal and results are available to read in 15 minutes.

CARBAPENEMASE DETECTION

NG-TEST® CARBA-5

NG-Test CARBA-5 is a visual multiplex immunochromatographic (lateral flow) qualitative assay for the detection and differentiation of the five most common carbapenemase families (KPC, OXA-48-like, VIM, IMP and NDM) from carbapenem non-susceptible pure bacterial colonies of Enterobacterales (including Escherichia coli and Klebsiella pneumoniae) and Pseudomonas aeruginosa. Results in 15 minutes.

Sensitivity: 100% Specificity: 100%

NG-Test® CARBA 5 detects the following variants:

- Type NDM: NDM-1 -2 -3 -4 -5 -6 -7 -8 -9 -11 -19
- Type KPC: KPC-1 -2 -3 -4 -5 -6 -7 -12 -14 -23 -28 -39
- Type IMP: IMP-1 -2 -4 -5 -6 -7 -8 -10 -11 -13 -14 -15 -16 -18 -19 -22 -26 -29 -31 -37 -39 -46 -47 -56 -58 -61 -63 -71 -79
- Type VIM: VIM-1 -2 -4 -5 -6 -19 -23 -26 -27 -31 -39 -46 -51 -52 -54 -56 -58 -59
- OXA-48-like: OXA-48 -162 -181 -204 -232 -244 -245 -370 -436 -484 -515 -517 -519 -535 -793

NGB-CAR-S23-021 | **20 tests/box**

ESBL

NG-TEST® CTX-M MULTI

NG-Test CTX-M Multi detects the presence of the 5 major groups in the CTX-M-type enzymes of extended-spectrum beta-lactamases (ESBLs) produced by Enterobacteriaceae, from a bacterial colony. The Rapid Test detects enzymes belonging to CTX-M Groups 1, 2, 8, 9 and 25 including their most clinically relevant variants in the same cassette. Results in 15 minutes.

Sensitivity: 100% Specificity: 100%

NG-Test® CTX-M detects the following variants:
Group 1: CTX-M-1 -3 -10 -15 -32 -37 -55 -57 -71 -82 -101 -182
Group 2: CTX-M-2
Group 8: CTX-M-8
Group 9: CTX-M-9 -13 -14 -17 -18 -19 -24 -27 -38 -65 -93
Group 25: CTX-M-94, -100

NGB-CTM-S23-016 | **20 tests/box**

COLISTIN RESISTANCE

NG-TEST® MCR-1

NG-Test MCR-1 detects the presence of the MCR-1 enzyme responsible for Polymyxin E (colistin) resistance in Gram Negative bacteria, from a bacterial colony, in less than 15 minutes.

Sensitivity: 100% Specificity: 100%

NGB-MCR-S23-016 | **20 tests/box**

ENTERIC DISEASES

TECHLAB®

TECHLAB® is a market leader of innovative, rapid, non-invasive diagnostic tests for gastrointestinal diseases. The TECHLAB® kits offer rapid laboratory detection of a range of faecal antigens and are the gold standard enzyme immunoassay (EIA) tests used to determine the common causes of diarrhoeal illness in different clinical scenarios.

Infectious causes:

- ***Clostridioides difficile*** GDH (glutamate dehydrogenase) and/or toxin A/B detection
- **Foodborne illness** – Shiga toxin-producing *Escherichia coli* (STEC), *Campylobacter* species, *Clostridium perfringens* enterotoxin detection
- **Faecal parasite detection** - *Giardia lambia, Cryptosporidium, Entamoeba histolytica*
- ***Helicobacter pylori*** – a cause of gastritis, gastric ulcers or gastric cancer

Non-infectious causes:

- **Faecal lactoferrin** – for accurate differentiation between inflammatory bowel disease (IBD) and irritable bowel syndrome (IBS)

The TECHLAB® range of kits largely comprise two formats: CHEK™ and QUIK CHEK™.

CHEK™
96-well plate-based enzyme immunoassay (EIA)

- 96-well plate-based format
- Suitable for screening large numbers of samples
- Results within 2 hours
- Simple procedure
- Automatable
- Highly standardised

QUIK CHEK™
Single test membrane EIA technology in a cassette

- Direct faecal specimen testing in a rapid assay format
- Individual device
- Membrane bound EIA technology
- Suitable for smaller numbers of samples or for 'out-of-workflow' testing
- Results within 30 minutes
- Easy to interpret
- No equipment needed
- Highly specific and sensitive

TECHLAB®

CLOSTRIDIOIDES DIFFICILE

Panel of in vitro diagnostics for detecting C. difficile and its toxins in faecal specimens from patients suspected of having the disease.

C. DIFF QUIK CHEK COMPLETE®	T30525C/T30550C	25 or 50 tests	Rapid EIA

- **Analyte(s) Detected:** Toxins A&B GDH antigen
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / Cary Blair / C&S
- **Time to Result:** < 30 min

C. DIFF QUIK CHEK®	30390	25 tests	Rapid EIA

- **Analyte(s) Detected:** GDH antigen
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / Cary Blair / C&S
- **Time to Result:** < 30 min

TOX A/B QUIK CHEK®	30394	25 tests	Rapid EIA

- **Analyte(s) Detected:** Toxins A&B
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / Cary Blair / C&S
- **Time to Result:** < 30 min

C. DIFF CHEK™- 60	TL5025/T5025B	96 tests	Microplate

- **Analyte(s) Detected:** GDH antigen
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved)
- **Time to Result:** < 1 hr, or 30 min (rapid format)

C. DIFFICILE TOX A/B II™	T5015/T5015B	96 tests	Microplate

- **Analyte(s) Detected:** Toxins A&B
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved)
- **Time to Result:** < 1 hr, or 30 min (rapid format)

C. difficile Toxin/Antitoxin Kit	T5000	300-650 tests	Tissue Culture

- **Analyte(s) Detected:** Toxin B
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved)
- **Time to Result:** 18 hrs

C. DIFFICILE TOX-B TEST	T5003	96 tests	Tissue Culture

- **Analyte(s) Detected:** Toxin B
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved)
- **Time to Result:** 24-48 hrs

TECHLAB®

FOODBORNE PATHOGENS

Shiga toxin-producing *Escherichia coli* (STEC), *Campylobacter* species, *Clostridium perfringens* enterotoxin detection.

CAMPYLOBACTER CHEK™	T31096	96 tests	Microplate

- **Analyte(s) Detected:** C. jejuni, C. coli, C. lari, & C. upsaliensis
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / Cary Blair / C&S
- **Time to Result:** 1 hr

CAMPYLOBACTER QUIK CHEK™	T31025	25 tests	Rapid EIA

- **Analyte(s) Detected:** C. jejuni, C. coli, C. lari, & C. upsaliensis
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / Cary Blair / C&S
- **Time to Result:** < 30 min

SHIGA TOXIN QUIK CHEK™	T30625	25 tests	Rapid EIA

- **Analyte(s) Detected:** Shiga Toxin 1 and Shiga Toxin 2
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / Cary Blair / C&S / Broth (GN or MAC) /Plate Culture (SMAC,CT-SMAC,CHROMagar®O157)
- **Time to Result:** < 30 min

SHIGA TOXIN CHEK™	T30696	96 tests	Microplate

- **Analyte(s) Detected:** Shiga Toxin 1 and Shiga Toxin 2
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / Cary Blair / C&S / Broth (GN or MAC) /Plate Culture (SMAC,CT-SMAC,CHROMagar®O157)
- **Time to Result:** 50 min, or 20 min (rapid format)

Clostridium Perfringens Enterotoxin Test	T5006	96 tests	Microplate

- **Analyte(s) Detected:** Clostridium perfringens Enterotoxin
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved)
- **Time to Result:** < 2.5 hrs

TECHLAB®

H. PYLORI

Diagnostic assays for detecting *H. pylori* in faecal specimens.

H. PYLORI CHEK™	T5051	96 tests	Microplate ELISA

- **Analyte(s) Detected:** Helicobacter pylori stool antigen
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) up to 96 hours / Cary Blair / C&S
- **Time to Result:** 1 hr

H. PYLORI QUIK CHEK™	30925	25 tests	Rapid EIA

- **Analyte(s) Detected:** Helicobacter pylori stool antigen
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) up to 96 hours / Cary Blair / C&S
- **Time to Result:** < 30 min

TECHLAB®

PROTOZOAN PARASITES

Diagnostic tests for common intestinal parasites: Giardia, Cryptosporidium, Entamoeba histolytica.

TRI-COMBO PARASITE SCREEN	**T30408**	**96 tests**	**Microplate ELISA**

- **Analyte(s) Detected:** Giardia cyst antigen Cryptosporidium oocyst antigen E. histolytica antigen (adhesin)
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / Cary Blair / C&S
- **Time to Result:** < 2 hrs at RT

GIARDIA/CRYPTOSPORIDIUM CHEK®	**30401**	**96 tests**	**Microplate ELISA**

- **Analyte(s) Detected:** Giardia cyst antigen Cryptosporidium oocyst antigen
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / 10% Formalin / SAF
- **Time to Result:** < 2 hrs at RT

GIARDIA II™	**PT5012**	**96 tests**	**Microplate ELISA**

- **Analyte(s) Detected:** Giardia cyst antigen
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / 10% Formalin / SAF
- **Time to Result:** < 2 hrs at RT

CRYPTOSPORIDIUM II™	**30406**	**96 tests**	**Microplate ELISA**

- **Analyte(s) Detected:** Cryptosporidium oocyst antigen
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / 10% Formalin / SAF / Cary Blair / C&S
- **Time to Result:** < 2 hrs at RT

E. HISTOLYTICA II™	**T5017**	**96 tests**	**Microplate ELISA**

- **Analyte(s) Detected:** E. histolytica antigen (adhesin)
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved)
- **Time to Result:** < 2 hrs at RT

GIARDIA/CRYPTOSPORIDIUM QUIK CHEK™	**T30407**	**25 tests**	**Rapid EIA**

- **Analyte(s) Detected:** Giardia cyst antigen Cryptosporidium oocyst antigen
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / 10% Formalin / SAF / Cary Blair / C&S
- **Time to Result:** < 30 min at RT

E. HISTOLYTICA QUIK CHEK™	**T30409**	**25 tests**	**Rapid EIA**

- **Analyte(s) Detected:** E. histolytica antigen (adhesin)
- **Faecal Sample Type:** Fresh & frozen faecal sample (unpreserved) / Cary Blair / C&S
- **Time to Result:** < 30 min at RT

TECHLAB®

FAECAL LEUKOCYTE SCREEN

The LEUKO EZ VUE ® is an immunochromatographic test for the qualitative detection of elevated levels of faecal lactoferrin, in liquid, semi-liquid, and solid faecal specimens.

LEUKO EZ VUE®	T30355	25 tests	Lateral Flow Qualitative

- **Analyte(s) Detected:** Lactoferrin-marker for faecal leukocytes & indicator for intestinal inflammation that can be caused by enteric infections
- **Faecal Sample Type:** Fresh samples (undiluted, unpreserved) stored between 2°C - 8°C or room temperature for up to 2 weeks, then stored frozen
- **Time to Result:** 10 min

TECHLAB®

INTESTINAL INFLAMMATION

Diagnostic tests for detection of lactoferrin and other markers of inflammation in the bowels.

LACTOFERRIN SCAN®	T5009	96 tests	Microplate ELISA Quantitative

- **Analyte(s) Detected:** Lactoferrin-marker for faecal leukocytes & indicator for intestinal inflammation; aids in the diagnosis of IBD/IBS populations
- **Faecal Sample Type:** Fresh samples (undiluted, unpreserved) stored between 2°C - 8°C or room temperature for up to 2 weeks, then stored frozen
- **Time to Result:** approx 75 min

LACTOFERRIN CHEK®	T5008	96 tests	Microplate ELISA Qualitative

- **Analyte(s) Detected:** Lactoferrin—marker for faecal leukocytes & indicator for intestinal inflammation; aids in the diagnosis of IBD/IBS populations
- **Faecal Sample Type:** Fresh samples (undiluted, unpreserved) stored between 2°C - 8°C or room temperature for up to 2 weeks, then stored frozen
- **Time to Result:** approx 75 min

LACTOFERRIN EZ VUE®	T5018	25 tests	Lateral Flow Qualitative

- **Analyte(s) Detected:** Lactoferrin-marker for faecal leukocytes & indicator for intestinal inflammation; aids in the diagnosis of IBD/IBS populations
- **Faecal Sample Type:** Fresh samples (undiluted, unpreserved) stored between 2°C - 8°C or room temperature for up to 2 weeks, then stored frozen
- **Time to Result:** 10 min

ASCA-CHEK™	T5016	96 tests	Microplate ELISA Qualitative

- **Analyte(s) Detected:** Detects anti-S. cerevisiae antibodies; aids in the diagnosis of Crohn's disease
- **Faecal Sample Type:** Fresh and frozen faecal samples (unpreserved; faecal specimens should be frozen if not tested within 48 hours) / Serum (freeze if not tested within 7 days)
- **Time to Result:** approx 75 min

FORTRESS® DIAGNOSTICS

Fortress Diagnostics® are a multi award-winning global provider of in vitro diagnostics (IVDs). Fortress develop, manufacture and support an extensive portfolio of clinical diagnostic tests in the United Kingdom. Our ongoing relationship means we are able to provide highly accurate medical testing solutions to immunology, haematology and serological laboratories in hospitals, medical centres, clinics, blood banks and research institutions.

FORTRESS® DIAGNOSTICS

HELICOBACTER PYLORI

The Fortress Diagnostics Helicobacter pylori kits are intended for use in the quantitative determination of Anti H pylori specific antibodies of IgA, IgG and IgM type in human serum or plasma by Microplate Enzyme Immunoassay.

Helicobacter Pylori, IgA	**BXE0672A**	**96 tests**	**ELISA**
Helicobacter Pylori, IgG	**BXE0673A**	**96 tests**	**ELISA**
Helicobacter Pylori, IgM	**BXE0674A**	**96 tests**	**ELISA**

FORTRESS® DIAGNOSTICS

SEXUALLY TRANSMITTED DISEASES

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RELIABLE

A trusted provider in the UK

RESULTS

High sensitivity & specificity

METHOD

Lateral flow and EIA kits available

QUALITY

High-quality testing methods

HOW IT WORKS

All Fortress Diagnostics products are highly accurate and are available with a long shelf life. Suitable for preliminary or emergency medical screening for use in medical facilities with limited resources and laboratories with low tests throughput.

- High quality & easy-to-use.
- Quick results – 10 minutes to 2 hours – providing timely treatment interventions.
- Little or no additional equipment required.
- Possibility to store at room temperature for extended length of time.
- All CE marked

Apart from the methods presented in this section, we also provide rapid tests for sexually transmitted diseases, please refer to the Rapid Tests section of this catalogue.

SYPHILIS TESTING SOLUTIONS

Treponema Pallidum (TP) is the causative agent of the venereal disease Syphilis. TP is a spirochete bacterium with an outer envelope and a cytoplasmic membrane. Relatively little is known about the organism in comparison with other bacterial pathogens. According to the Center for Disease Control (CDC), the number of cases of Syphilis infection has markedly increased since 1985. Some studies have reported a substantial epidemiological correlation between the acquisition and transmission of the HIV virus and Syphilis.

HAEMAGGLUTINATION METHOD

Sensitive and specific indirect haemagglutination tests for the detection of antibodies to Treponema Pallidum.

TPHA (with +ve and -ve controls)	**SYTP0100**	**100 tests**	**Haemagglutination test**
TPHA (with +ve and -ve controls)	**SYTP0200**	**200 tests**	**Haemagglutination test**

SEROLOGICAL METHOD

Rapid Plasma Reagin or RPR Card test is a non-treponemal method for the serological detection of syphilis. The antigen – a particulate carbon suspension coated with lipid complexes – agglutinates in the presence of serum reagins. Reagins are antibodies present in the sera of syphilitic patients. Visible agglutination in the form of black clumps which can be viewed macroscopically, indicates the presence of such antibodies in the sample tested.

RPR Positive & Negative Control, Pipette/Stirrers, Test Cards, Dispensing Bottle and Needle	**SYRPR050**	**50 tests**	**Non-treponemal method for serological detection**
RPR Positive & Negative Control, Pipette/Stirrers, Test Cards, Dispensing Bottle and Needle	**SYRPR100**	**100 tests**	**Non-treponemal method for serological detection**
RPR Positive & Negative Control, Pipette/Stirrers, Test Cards, Dispensing Bottle and Needle	**SYRPR500**	**500 tests**	**Non-treponemal method for serological detection**
RPR (Reagent only)	**SYCA0002**	**2ml (100T)**	**Reagent**
RPR (Reagent only)	**SYCA0005**	**5ml (250T)**	**Reagent**
RPR (Reagent only)	**SYCA0010**	**10ml (500T)**	**Reagent**
RPR (Reagent only)	**SYCA0100**	**100ml (5000T)**	**Reagent**
RPR (Reagent only)	**SYCA1000**	**1000ml (50000T)**	**Reagent**

CONTROLS & CALIBRATORS

The Syphilis Control set is designed for the validation of the Fortress range of Syphilis Test Kits. It is recommended that a positive and negative control be included with each run of tests carried out.

Syphilis Control (Positive & Negative)	**SYPN0010**	**2 x 5 x 1ml**	**Control**
Syphilis Control Panel Level 1 - 6	**BXC0806A**	**6 x 1 x 0.5ml**	**Control panel**

SYPHILIS ELISA

The detection of anti-Treponema Pallidum (anti-TP) antibodies is achieved by antigen sandwich enzyme linked immunosorbent assay, where the microwells are coated with recombinant Treponema pallidum antigens expressed in E.coli. In vitro diagnostic kit for the detection of antibodies to Treponema pallidum in human serum or plasma. It's intended for use in the screening of blood donors and to aid in the diagnosis and management of clinical conditions of syphilis.

Syphilis	**BXE0995A**	**96T**	**ELISA**
Syphilis	**BXE0995C**	**480T**	**ELISA**

SEXUALLY TRANSMITTED DISEASES

HERPES SIMPLEX VIRUS (HSV)

The Fortress Herpes Simplex Virus kits are enzyme immunoassays intended for the qualitative detection of IgG and IgM antibodies to HSV-I, HSV-II and HSV-1/2 in human serum or plasma. It is intended for screening and as an aid in the diagnosis of possible HSV infection.

Herpes Simplex Virus (HSV-I/2)IgG	**BXE0621A**	**96T**	**ELISA**

FORTRESS® DIAGNOSTICS

HEPATITIS

Fortress Diagnostics® are a multi award-winning global provider of in vitro diagnostics (IVDs). Fortress develop, manufacture and support an extensive portfolio of clinical diagnostic tests in the United Kingdom. Our ongoing relationship means we are able to provide highly accurate medical testing solutions to immunology, haematology and serological laboratories in hospitals, medical centres, clinics, blood banks and research institutions.

HEPATITIS SCREENING

HEPATITIS E

The Fortress Diagnostics Hepatitis E (HEV) kits are enzyme linked immunosorbent assays (ELISA) intended for the qualitative detection of Hepatitis E virus antigen, in human or plasma specimens. It is intended for use in clinical laboratories for the diagnosis and management of patients related to infection with hepatitis E Virus.

HEV Ab	**BXE0745A**	**96T**	**ELISA**
HEV Ag	**BXE0903A**	**96T**	**ELISA**
HEV IgG	**BXE0901A**	**96T**	**ELISA**
HEV IgM	**BXE0902A**	**96T**	**ELISA**

Apart from the methods presented in this section, we also provide rapid tests for hepatitis screening, please refer to the Rapid Tests section of this catalogue.

RAPID TESTS

FORTRESS® DIAGNOSTICS

Our rapid diagnostic tests range includes suitable for preliminary or emergency medical screening for use in medical facilities with limited resources and laboratories with low number of tests per day.

RELIABLE

A trusted provider in the UK

RESULTS

High sensitivity & specificity

METHOD

Lateral flow and EIA kits available

QUALITY

High-quality testing methods

DENGUE FEVER

Dengue viruses, transmitted by the Aedes aegypti and Aedes albopictus mosquitoes, are widely distributed throughout the tropical and subtropical areas of the world. Fortress Diagnostics have a Dengue NS1 Antigen Rapid Test Device for the detection of dengue virus NS1 in antigen in whole blood, serum or plasma and a Dengue IgG.IgM rapid test device for the qualitative detection of IgG and IgM antibodies to dengue virus.

Dengue IgG/IgM NS1 Test Device	**DMNS1020**	**20T**	**Whole Blood/Serum/Plasma**
Dengue IgG/IgM Test Device	**DNGMC020**	**20T**	**Serum/Plasma/Whole Blood, Cut off 500ng/ml**
Dengue Fever IgG/IgM Antibody Test	**DNGMC040**	**40T**	**Whole Blood/Serum/Plasma**

FAECAL OCCULT BLOOD TEST

The Fortress Diagnostics Faecal Occult Blood (FOB) One Step Test Device (faeces sample) is a rapid test to qualitatively detect low levels of faecal occult blood in faeces. The test uses double antibody sandwich assay to selectively detect as low as 50 ng/mL of hemoglobin or 6 µg hemoglobin/g faeces. In addition, unlike the guaiac assays, the accuracy of the test is not affected by the diet of the patients.

Faecal Occult Blood Test Device	**FOBC0020**	**20T**	**Cut off 30 ng/ml - (Faeces)**
Faecal Occult Blood Test Device	**FOBC0040**	**40T**	**Cut off 30 ng/ml - (Faeces)**

HEPATITIS

Fortress Diagnostics offers lateral flow chromatographic immunoassays for the qualitative detection of Hepatitis B surface antigen (HBsAg), anti-HBs and Hepatitis C antibodies in human whole blood, serum or plasma.

HBsAg Rapid Test	**HBSCWB20**	**20T**	**Whole Blood/Serum/Plasma**
HBsAg Rapid Test	**HBSCWB40**	**40T**	**Whole Blood/Serum/Plasma**
HBsAg Rapid Test	**HBSWB050**	**50T**	**Whole Blood/Serum/Plasma**
HBsAg Rapid Test	**HBSWB100**	**100T**	**Whole Blood/Serum/Plasma**
Anti-HBs Rapid Test	**HBSAB050**	**50T**	**Whole Blood/Serum/Plasma**
Anti-HBs Rapid Test	**HBSAB100**	**100T**	**Whole Blood/Serum/Plasma**
HCV Rapid Test	**HCVC0020**	**20T**	**Whole Blood/Serum/Plasma**
HCV Rapid Test	**HCVC0040**	**40T**	**Whole Blood/Serum/Plasma**
HCV Rapid Test	**HCVS0050**	**50T**	**Whole Blood/Serum/Plasma**
HCV Rapid Test	**HCVS0100**	**100T**	**Whole Blood/Serum/Plasma**

GASTROINTESTINAL

HELICOBACTER PYLORI

The Fortress Diagnostics H.pylori Ab Rapid Test is a sandwich lateral flow chromatographic immunoassay for the qualitative detection of antibodies (IgG, IgM, and IgA) anti-Helicobacter pylori in human whole blood, serum or plasma.

Helicobacter Pylori Test Strip	**HPS00050**	**50T**	**Serum/Plasma**
Helicobacter Pylori Ag	**HCVC0040**	**40T**	**Whole Blood/Serum/Plasma**
Helicobacter Pylori Ag	**HCVS0050**	**50T**	**Whole Blood/Serum/Plasma**

SALMONELLA TYPHI

S. typhi Antigen	**STAGC040**	**40T**	**Serum/Plasma/Faeces**
S. typhi Antigen	**TPC00020**	**20T**	**Serum/Plasma/Faeces**

SEXUALLY TRANSMITTED DISEASES

SYPHILIS

The Fortress Diagnostics Syphilis Ab Rapid Test Cassette (Whole Blood/Serum/Plasma) is a rapid, serological, immunochromatographic assay for the qualitative detection of antibodies (IgG, IgM and IgA) to Treponema Pallidum (TP) in human whole blood, serum or plasma.

Syphilis Device	**TPC00040**	**40T**	**Serum/Plasma/Whole Blood**
Syphilis Test Strips	**TPS00050**	**50T**	**Serum/Plasma/Whole Blood**
Syphilis Test Strips	**TPS00100**	**100T**	**Serum/Plasma/Whole Blood**

GONORRHEA

Gonorrhea	**GONC0020**	**20T**	**Swab**
Gonorrhea	**GONC0040**	**40T**	**Swab**

PREGNANCY TESTING

The Fortress Diagnostics hCG One Step Pregnancy Test Device (Urine/Serum) is a rapid chromatographic immunoassay for the qualitative detection of human chorionic gonadotropin in urine or serum to aid in the early detection of pregnancy.

hCG Test Device	**HCGCSU20**	**20T**	**Sensitivity 25IU/ml - Serum/Urine, including disposable pipette**
hCG Test Device	**HCGC0040**	**40T**	**Sensitivity 25IU/ml - Urine Only, including disposable pipette**
hCG Test Device	**HCGC0050**	**50T**	**Sensitivity 25IU/ml - Urine Only, including disposable pipette**
hCG Test Strip	**HCGSU100**	**100T**	**Sensitivity 25IU/ml - Serum/Urine, including disposable pipette**
hCG Test Strips (Urine Only)	**HCGS0050**	**50T**	**Sensitivity 25IU/ml - Urine -2.5mm**
hCG Test Strips (Urine Only)	**HCGS0100**	**100T**	**Sensitivity 25IU/ml - Urine -2.5mm**
HCG Rapid Test	**HCGCSU20**	**20T**	**Serum/Urine**
HCG Rapid Test	**HCGCSU40**	**40T**	**Serum/Urine**

MALARIA

The Fortress Diagnostics Malaria Pf Ag Rapid Test is a rapid lateral flow chromatographic immunoassay for the detection of Malaria P.falciparum specific histidine rich protein-2 (Pf HRP-II) in human blood specimen as an aid in the diagnosis of Malaria infection. This test is intended for In-Vitro Diagnostic use only.

Malaria Device P.falciparum	**PFC00020**	**20T**	**Serum/Plasma/Whole Blood, with Test Tube & Buffer**
Malaria Device P.falciparum	**PFC00040**	**40T**	**Serum/Plasma/Whole Blood, with Test Tube & Buffer**
Malaria P.falciparum/P. Vivax (Pan Malaria Device)	**PVC00020**	**20T**	**Serum/Plasma/Whole Blood, with Test Tube & Buffer**
Malaria P.falciparum/P. Vivax (Pan Malaria Device)	**PVC00040**	**40T**	**Serum/Plasma/Whole Blood, with Test Tube & Buffer**

MULTI-DRUG

The Fortress Diagnostics One Step Multi-Drug Screen Test Dipcard is a lateral flow chromatographic immunoassay for the qualitative detection of multiple drugs and drug metabolites in urine at the following cut-off concentrations in urine. The speed and sensitivity of immunoassays have made them the most widely accepted method to screen urine for multiple drugs of abuse.

Multi-drug - 6 Parameter Device	**DOAC0006**	**20T**	**Test Device for multi-drug detection - Urine. Many combinations available**
Multi-drug - 10 Parameter Device	**DOAC0010**	**20T**	**Test Device for multi-drug detection- Urine- COC, AMP, MET,THC,MTD,MDMA,OPI,PCP,BAR,BZO**
Multi-drug - 12 Parameter Device	**DOAC0012**	**20T**	**Test Device for multi-drug detection - Urine - COC, AMP, TCA, MOP, MET,THC,MTD,MDMA,OPI,PCP,BAR,BZO**

TROPONIN

The Fortress Diagnostics cTnI One Step Troponin I Test Device (Whole Blood/Serum/Plasma) is a simple test that utilises a combination of anti-cTnI antibody-coated particles and capture reagent to selectively detect cTnI in whole blood, serum or plasma. The minimum detection level is 0.5 ng/mL.

Troponin-I Device	**TNIC0020**	**20T**	**Serum/Plasma/Whole Blood, Cut off 1 ng/ml**
Troponin-I Device	**TNIC0040**	**40T**	**Serum/Plasma/Whole Blood, Cut off 1 ng/ml**
CK-MB, Troponin-I, Myoglobin	**CTMC0020**	**20T**	**Whole Blood, Cut off CK-MB 5ng/ml, Tni-I 1ng/ml, Myo 80ng/ml**

TUBERCULOSIS

The Fortress Diagnostics Tuberculosis IgG/IgM Rapid Test Device (Whole Blood/Serum/Plasma) is a membrane-based screening test for the rapid detection of IgM anti-Mycobacterium Tuberculosis and IgG anti-Mycobacterium Tuberculosis in human whole blood, serum or plasma. This innovative rapid screening test is based on lateral flow immunochromatography and is among the easiest point of care (POC) assay diagnostics.

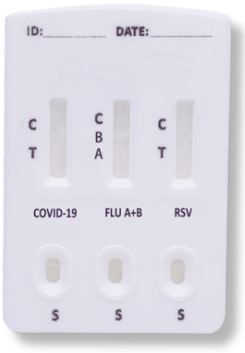
Tuberculosis Device	**TBC00020**	**20T**	**Whole Blood / Serum / Plasma**
Tuberculosis Device	**TBC00040**	**40T**	**Whole Blood / Serum / Plasma**

COVID-19

Covid-19 Total Ab Device	**COVID010**	**10T**	**Whole Blood / Serum / Plasma**

ALLTEST

COVID-19/INFLUENZA A+B/RSV



Prepare for the winter season with the Beright SARS-CoV-2/Influenza A+B/RSV Antigen Combo Rapid Lateral Flow Test, a CTDA approved rapid chromatographic immunoassay for the qualitative detection of COVID-19, Influenza A, Influenza B and Respiratory Syncytial Virus (RSV). Save time and money with the detection of the four main respiratory viruses in a single test.

- SARS-CoV-2: Sensitivity: 97.0% Specificity: 99.0%
- Flu A: Sensitivity: 95.0% Specificity:99.1%
- Flu B: Sensitivity: 92.9% Specificity: 99.1%
- RSV: Sensitivity: 94.3% Specificity: 96.2%

SARS-CoV-2/Influenza A+B/RSV Antigen Combo Test (from Beright)	**ISIR-535**	**20T**	**Nasal or Nasopharyngeal Sample**

RAPID TESTS

NAL VON MINDEN

The Nal Von Minden GmbH NADAL® rapid tests cover a wide range of clinical conditions for both point-of-care settings and laboratories, where quick and accurate diagnosis can make all the difference.
They are suitable in emergency medical screening or medical facilities with limited resources and laboratories with low test throughput. Whether diagnosing an infectious disease or cancer, right through to a heart attack, the Nal Von Minden rapid tests deliver certainty and peace of mind.
All tests are CE marked, have high sensitivity and specificity, confirm to IVDR regulations and are available with a long shelf life. They further expand Una Health's solutions to cover almost every branch of medicine.

FAST

Reduces wait times; results available in minutes

RESULTS

High sensitivity & specificity

COMPREHENSIVE

Extensive range of tests

FLEXIBILITY

Suitable for almost every branch of medicine

HOW IT WORKS

Our complete range of rapid tests are designed to give quick and reliable answers on the spot. Early diagnosis allows treatment to be introduced faster and generally reduces the duration and severity of illnesses. In addition, accurate and timely diagnosis can help reduce unnecessary use of antibiotics and supports antimicrobial stewardship alongside reducing the need for costly, unnecessary and uncomfortable lab examinations.

INFECTIOUS DISEASES

ESCHERICHIA COLI O157

The NADAL® E. coli O157 Test is a rapid chromatographic immunoassay for the qualitative detection of Escherichia coli (E. coli) O157 antigens in human faecal specimens. The test is intended for use as an aid in the diagnosis of an E. coli infection and is designed for professional use only.

E.Coli O157 Rapid Tests - Cassette	**501006**	**10T**	**Faecal specimens**

LEGIONELLA

The NADAL® Legionella Test is an in-vitro rapid chromatographic lateral flow immunoassay for the qualitative detection of Legionella pneumophila (L. pneumophila) serogroup 1 antigen in urine specimens from patients with symptoms of pneumonia. The NADAL® Legionella Test is intended to be used in conjunction with culture and other methods as an aid in the presumptive diagnosis of Legionella infection (Legionnaires' disease) caused by L. pneumophila serogroup 1.

Legionella rapid test	**552020**	**10T**	**Urine**

HEPATITIS

The NADAL® HAV IgG/IgM Test is a lateral flow chromatographic immunoassay for the simultaneous detection and differentiation of anti-hepatitis A virus (HAV) IgG and IgM in human serum, plasma or whole blood. The test is intended to be used by professionals as a screening test and as an aid in the diagnosis of a HAV infection. Any reactive result with the NADAL® HAV IgG/IgM Test must be confirmed with alternative testing method(s) and clinical findings.

HAV IgG/IgM test cassette	**622070N-30**	**30T**	**Serum, Whole Blood, Plasma**

The Hepatitis B Virus Surface Antibody Test is a rapid chromatographic immunoassay for the qualitative detection of antibodies to Hepatitis B virus surface antigen (HBsAg) in human whole blood, serum, plasma.

INFO® anti-HBs (HBsAb) (CE1434) test cassette	**622091**	**40T**	**Serum, Whole Blood, Plasma**

GROUP B STREP

The NADAL® Strep B Test is a rapid, visual immunoassay for the qualitative, presumptive detection of group B Streptococcus (GBS) antigens in specimens collected from vaginal or rectal swab, as well as swabs taken from the ear or throat in newborns

NADAL® Strep B Test	**232001**	**20T**	**Vaginal, rectal, ear and throat swabs**

TRICHOMONAS VAGINALIS

The NADAL® Trichomonas vaginalis Test is a simple, one step chromatographic immunoassay for the rapid, qualitative detection of Trichomonas vaginalis in vaginal swab specimens.
This test is intended for use as an aid in the diagnosis of trichomoniasis and designed for professional use only.

NADAL® Trichomonas vaginalis, test cassette	**840003N-10**	**10T**	**Vaginal swabs**

MYCOBACTERIUM TUBERCULOSIS

The NADAL® Tuberculosis IgG/IgM Test is a lateral flow chromatographic immunoassay for the simultaneous detection and differentiation of anti-Mycobacterium Tuberculosis (M.Tb) IgM and IgG in human serum, plasma or whole blood. The test is intended to be used as a screening test and as an aid in the diagnosis of infection with M.Tb. Any reactive specimen with the NADAL® Tuberculosis IgG/IgM Test should be confirmed with alternative testing method(s) and clinical findings.

NADAL® Tuberculosis IgG/IgM, test cassette	**322003N-30**	**30T**	**Human serum, plasma or whole blood**

STREPTOCOCCUS PNEUMONIAE

The NADAL® S. pneumoniae Test is a qualitative rapid assay which is intended to be used for the detection of Streptococcus pneumoniae antigen in urine without any dilution and as an aid in the diagnosis of pneumonia, meningitis and otitis media.

Streptococcus pneumoniae Rapid Test	**572004N-10**	**10T**	**Urine**

CARDIAC RELATED

The NADAL® Cardiac Combo Test is a rapid visual immunoassay for the qualitative presumptive detection of human Myoglobin, CK-MB and cardiac Troponin I in whole blood, serum or plasma. The test is intended for use as an aid in the diagnosis of myocardial infarction (MI).

Cardiac Combo Cassette tests (Myoglobin, CK-MB and cardiac Troponin I)	**282003**	**5T**	**Serum, Whole Blood, Plasma**

D-DIMER

The NADAL® D-Dimer Test is used for the qualitative detection of D-Dimer in human whole blood and plasma. The test is used as an aid in the assessment and evaluation of patients with suspected disseminated intravascular coagulation (DIC), deep vein thrombosis (DVT) and pulmonary embolism (PE).

Nadal® D-Dimer Test	**351006N-10**	**10T**	**Whole Blood, Plasma**
Nadal® D-Dimer Test	**351006N-05**	**5T**	**Whole Blood, Plasma**

CALPROTECTIN

The NADAL® Calprotectin Test is a rapid chromatographic immunoassay (non-invasive assay) for the qualitative detection of calprotectin (hCP) in human faecal specimens. The test is intended for use as an aid in the diagnosis of inflammatory gastrointestinal disorders and is designed for professional use only.

NADAL® Calprotectin, test cassette	**1212001**	**10T**	**Faeces**

CRP

The NADAL® CRP Test is a lateral flow chromatographic immunoassay for the semiquantitative detection of C-reactive protein (CRP) in human whole blood, serum or plasma specimens. The test is intended for use as an aid in the diagnosis of bacterial infectious diseases and inflammatory processes. Due to a large number of possible symptoms, the test is not restricted to a defined target patient group and can generally be used to differentiate between bacterial and viral infections or to assess the presence or severity of inflammatory processes. The test procedure is not automated and requires no special training or qualification. The NADAL® CRP Test is designed for professional use only.

NADAL® CRP, test cassette	**311801N-20**	**20T**	**Serum, Whole Blood, Plasma**

PROSTATE SPECIFIC ANTIGEN

The NADAL® PSA Test is a rapid visual immunoassay for the semiquantitative presumptive detection of prostate-specific antigen (PSA) in human serum, plasma or whole blood specimens with a cut-off of 4 ng/mL. The test detects total PSA (tPSA). The NADAL® PSA Test is intended for use as an aid in the diagnosis of prostate cancer by professional users as elevated PSA levels frequently indicate an increased risk of prostate carcinomas.

NADAL® PSA, test cassette	**602003**	**20T**	**Serum, Whole Blood, Plasma**

CHLAMYDIA

The NADAL® Chlamydia Test (swab/urine) is a rapid visual immunoassay for the qualitative presumptive detection of Chlamydia trachomatis in female cervical swab, male urethral swab and male urine specimens. This test is intended for use as an aid in the diagnosis of Chlamydia infection. The NADAL® Chlamydia Test is designed for professional use only.

NADAL® Chlamydia (CE0197), test cassette	**212007**	**20T**	**Urine, Urethral Swab, Cervical Swab**

ENTEROVIRUS

The NADAL® Enterovirus Test is a rapid chromatographic immunoassay for the qualitative detection of Enterovirus antigens (VP1 peptide) in human faecal specimens. The test is intended for use as an aid in the diagnosis of Enterovirus infection and is designed for professional use only.

NADAL® Enterovirus, test cassette	**1222001**	**10T**	**Faeces**

ANTI-HERPES SIMPLEX VIRUS

The NADAL® HSV 2 IgG/IgM Test is a lateral flow chromatographic immunoassay for the qualitative detection and differentiation of anti-herpes simplex virus-2 (HSV-2) IgG and IgM in human serum, plasma or whole blood. The test is intended to be used by professionals as a screening test and as an aid in the diagnosis of infection with HSV-2. Any reactive result with the NADAL® HSV 2 IgG/IgM Test must be confirmed with alternative testing method(s) and clinical findings.

NADAL® HSV 2 IgG/IgM, test cassette	**1130005N-10**	**10T**	**Serum, Whole Blood, Plasma**

The NADAL® HSV 1 IgG/IgM Test is a lateral flow chromatographic immunoassay for the qualitative detection and differentiation of anti-herpes simplex virus-1 (HSV-1) IgG and IgM in human serum, plasma or whole blood. The test is intended to be used by professionals as a screening test and as an aid in the diagnosis of infection with HSV-1. Any reactive result with the NADAL® HSV-1 IgG/IgM Test must be confirmed with alternative testing method(s) and clinical findings.

NADAL® HSV 1 IgG/IgM, test cassette	**1130004N-10**	**10T**	**Serum, Whole Blood, Plasma**

MONONUCLEOSIS

The NADAL® Mononucleosis Test is a fast, chromatographic immunoassay for the qualitative detection of heterophile antibodies against Epstein-Barr-Virus (EBV) in human whole blood, serum or plasma. The test is intended as an aid in the diagnosis of infectious mononucleosis (IM) and is for professional use only.

NADAL® Mononucleosis test	**252003N-20**	**20T**	**Serum, Whole Blood, Plasma**

SALMONELLA

The NADAL® Salmonella spp. Test is a rapid chromatographic immunoassay for the qualitative detection of Salmonella antigens in human faecal specimens. The test is intended for use as an aid in the diagnosis of salmonellosis. The test is designed for professional use only.

NADAL® Salmonella spp., test cassette	**1242001**	**10T**	**Faeces**

FORTRESS® DIAGNOSTICS

FEBRILE ANTIGENS

Febrile Antigens are stained bacterial antigen suspensions used to identify and measure antibodies, following infection. When the test serum sample is mixed with a febrile antigen, the solution will agglutinate if antibodies are present, thus indicating infection is present.
The Fortress Diagnostics' range of febrile antigens can be used either as a screening test or as a confirmatory test.

BRUCELLA

The Fortress Diagnostics Brucella agglutination test is a serological test for Brucellosis. Specific antibodies to the Brucella species are detectable a few weeks after exposure. Specific antibodies to Brucella antigens if present in serum will react with the antigen suspension to produce an agglutination reaction. No agglutination indicates the absence of the specific antigens.

Brucella Abortus	**FEBBAB05**	**1 x 5ml**	**5ml Stained Antigen Suspension**
Brucella Abortus	**FEBBAB1L**	**1000ml**	**1000ml Stained Antigen Suspension**
Brucella Melitensis	**FEBBME05**	**1 x 5ml**	**5ml Stained Antigen Suspension**
Brucella Melitensis	**FEBBME1L**	**1000ml**	**1000ml Stained Antigen Suspension**
Brucella Abortus, Melitensis + Positive Control	**FEBAMP05**	**2 x 1 x 5ml**	**Stained Antigen Suspension plus 1x0.5ml Positive control**

FEBRILE ANTIGEN (WIDAL)

The Fortress Diagnostics Febrile Antigen (Widal) test is a common agglutination test employed in the serological diagnosis of enteric fever and helps to detect the presence of Salmonella antigens in a patient's serum. Antibodies in serum produced in response to exposure to Salmonella organisms will agglutinate bacterial suspension which carries homologous antigens.

Febrile Antigen Kit (Widal)	**FEBNC100**	**8 x 5ml**	**Stained Salmonella Antigens, 100T per Antigen WITHOUT CONTROLS**
Febrile Antigen Kit (Widal)	**FEBWC100**	**8 x 5ml/2 x 1ml**	**Stained Salmonella Antigens, 100T per Antigen WITH CONTROLS**
Febrile Negative Control	**FEBNCO01**	**1 x 1ml**	**1ml polyvalent negative**
Febrile Positive Control	**FEBPCO01**	**1 x 1ml**	**1ml polyvalent positive**

PROTEUS

Antibodies produced against rickettsial antigen cross reacts with OX19 and OX2 strains of Proteus vulgaris and OXK strains of Proteus mirabilis. The Fortress Diagnostics Proteus OX19 stained febrile antigen suspension can be used to identify and quantitate specific antibodies in human sera following infection with certain Rickettsiae pathogens. Proteus OX19 reacts strongly with the sera of patients with typhus group rickettsae and rocky mountain of spotted fever.

Brucella Abortus	**FEBBAB05**	**1 x 5ml**	**5ml Stained Antigen Suspension**
Brucella Abortus	**FEBBAB1L**	**1000ml**	**1000ml Stained Antigen Suspension**
Brucella Melitensis	**FEBBME05**	**1 x 5ml**	**5ml Stained Antigen Suspension**

ROSE BENGAL

The Fortress Diagnostics Febrile Antigen (Widal) test is a common agglutination test employed in the serological diagnosis of enteric fever and helps to detect the presence of Salmonella antigens in a patient's serum. Antibodies in serum produced in response to exposure to Salmonella organisms will agglutinate bacterial suspension which carries homologous antigens.

Febrile Antigen Kit (Widal)	**FEBNC100**	**8 x 5ml**	**Stained Salmonella Antigens, 100T per Antigen WITHOUT CONTROLS**
Febrile Antigen Kit (Widal)	**FEBWC100**	**8 x 5ml/2 x 1ml**	**Stained Salmonella Antigens, 100T per Antigen WITH CONTROLS**
Febrile Negative Control	**FEBNCO01**	**1 x 1ml**	**1ml polyvalent negative**
Febrile Positive Control	**FEBPCO01**	**1 x 1ml**	**1ml polyvalent positive**

SALMONELLA

The Fortress Diagnostics have developed Salmonella Paratyphi tests for Salmonella Parathphy A-H,A-O,B-H.B-O, C-H amd C-O. The Febrile Antigen Widal test is a common agglutination test employed in the serological diagnosis of enteric fever and helps to detect the presence of Salmonella antigens in a patient's serum.

Salmonella paratyphi A-H	**FEBSAH05**	**1 x 5ml**	**5ml Stained Antigen Suspension**
Salmonella paratyphi A-O	**FEBSAO05**	**1 x 5ml**	**5ml Stained Antigen Suspension**
Salmonella paratyphi B-H	**FEBSBH05**	**1 x 5ml**	**5ml Stained Antigen Suspension**
Salmonella paratyphi B-O	**FEBSBO05**	**1 x 5ml**	**5ml Stained Antigen Suspension**
Salmonella paratyphi C-H	**FEBSCH05**	**1 x 5ml**	**5ml Stained Antigen Suspension**
Salmonella paratyphi C-O	**FEBSCO05**	**1 x 5ml**	**5ml Stained Antigen Suspension**

WEIL-FELIX

The Fortress Diagnostics Febrile Antigens Weli-Felix test provides rapid detection and semi-quantitation of serum antibodies developed during the acute stage of disease caused by rickettsial infection.
The antigens agglutinate in the presence of the homologous antibodies in the sample tested.

Weil-Felix	**FEWF0025**	**5 x 5ml**	**"5ml vials of Brucella Abortus, Brucella Melitensis, Proteus OX19, Proteus OX2 and Proteus OXK"**

SALMONELLA

The Fortress Diagnostics Salmonella Typhi Widal test is a common agglutination test employed in the serological diagnosis of enteric fever and helps to detect the presence of Salmonella antigens in a patient's serum. Patients infected with Salmonella produce antibodies against the antigens of the organism. Antibodies in serum produced in response to exposure to Salmonella organisms will agglutinate bacterial suspension which carries homologous antigens.

Salmonella typhi H	**FEBSTH05**	**1 x 5ml**	**5ml Stained Antigen Suspension**
Salmonella typhi H	**FEBSTH1L**	**1000 ml**	**1000ml Stained Antigen Suspension**
Salmonella typhi O	**FEBSTO05**	**1 x 5ml**	**5ml Stained Antigen Suspension**
Salmonella typhi O	**FEBSTO1L**	**1000 ml**	**1000ml Stained Antigen Suspension**
Salmonella typhi O , H +Positive Control	**FEBSOH05**	**2 x 1 x 5ml**	**Stained Antigen Suspension plus 1x0.5ml Positive control"**

FORTRESS® DIAGNOSTICS

IMMUNOASSAYS (ELISA)

Fortress Diagnostics have developed a range of Enzyme Linked Immunoabsorbent Assays (ELISA) and Chemiluminescence immunoassays (CLIA) tests as an effective and highly sensitive range of diagnostics solutions.

RELIABLE

A trusted provider in the UK

RESULTS

Highly accurate

COMPREHENSIVE

Wide range of tests available

GOLD STANDARD

Gold standard assay technique

HORMONE LEVEL TESTING

17α-OH Progesterone	**BXE0996A**	**96T**	**Human Serum or Plasma**
Anti-Mullerian Hormone (AMH)	**BXE0999A**	**96T**	**Human Serum**
DHEA-S	**BXE0998A**	**96T**	**Human Serum**
Estradiol	**BXE0860A**	**96T**	**Human Serum or plasma**
Estradiol	**BXE0860B**	**192T**	**Human Serum or plasma**
Free Testosterone	**BXE0997A**	**96T**	**Human Serum or plasma**
Testosterone	**BXE0862A**	**96T**	**Human Serum or plasma**
Testosterone	**BXE0862B**	**192T**	**Human Serum or plasma**
Inhibin-A	**BXE0615A**	**96T**	**Human Serum or plasma**
Inhibin-B	**BXE0618A**	**96T**	**Human Serum or plasma**

Luteinizing hormone (LH)	BXE0651A	96T	Human Serum
Luteinizing hormone (LH)	BXE0651B	192T	Human Serum
Luteinizing hormone (LH)	BXE0651C	480T	Human Serum
Human Growth Hormone (HGH)	BXE0991A	96T	Human Serum
Prolactin	BXE0671A	96T	Human Serum
Prolactin	BXE0671B	192T	Human Serum
Prolactin	BXE0671C	480T	Human Serum
FSH	BXE0631A	96T	Human Serum
FSH	BXE0631B	192T	Human Serum
FSH	BXE0631C	480T	Human Serum
TSH	BXE0681A	96T	Human Serum
TSH	BXE0681B	192T	Human Serum
TSH	BXE0681C	480T	Human Serum
FT3	BXE0731A	96T	Human Serum
FT4	BXE0721A	96T	Human Serum
T3	BXE0701A	96T	Human Serum or plasma
T3	BXE0701B	192T	Human Serum or plasma
T3	BXE0701C	480T	Human Serum or plasma
T3 STREPTAVIDIN	BXE0703A	96T	Human Serum or plasma
T3 STREPTAVIDIN	BXE0703B	192T	Human Serum or plasma
T3-Uptake	BXE0702A	96T	Human Serum or plasma
T3-Uptake	BXE0702B	192T	Human Serum or plasma
T4	BXE0711A	96T	Human Serum or plasma
T4	BXE0711B	192T	Human Serum or plasma
T4	BXE0711C	480T	Human Serum or plasma
T4 STREPTAVIDIN	BXE0712A	96T	Human Serum or plasma
T4 STREPTAVIDIN	BXE0712B	192T	Human Serum or plasma

TUMOR MARKERS

Alpha-Fetoprotein (AFP)	**BXE0801A**	**96T**	**Human serum**
Alpha-Fetoprotein (AFP)	**BXE0801B**	**96T**	**Human serum**

Alpha-Fetoprotein (AFP) is a glycoprotein with a molecular weight of 70 kDA. AFP is normally produced during fetal development by the hepatocytes, yolk sac and to a lesser extent by the gastrointestinal tract.
Serum concentrations reach a peak level of up to 10 mg/ml at twelve weeks of gestation. This peak level gradually decreases to less than 25 ng/ml after one year of postpartum. Thereafter, the levels reduce further to less than 10 ng/ml. Elevated levels of AFP are found in patients with primary heptatoma and yolk sac-derived germ tumors. AFP is the most useful marker for the diagnosis and management of hepatocellular carcinoma.

CEA	**BXE0811A**	**96T**	**Human serum**

CEA is the first of the so-called carcinoembryonic proteins and is the most widely used marker for gastrointestinal cancer. Although CEA is primarily associated with colorectal cancers, other malignancies that can cause elevated levels of CEA include breast, lung, stomach, pancreas, ovary and other organs.
The Fortress Diagnostics CEA can be used for quantitative determination of carcinoembryonic antigen (CEA) concentration in human serum by a microplate immunoenzymometric assay.

MCM5	**BXE0950A**	**96T**	**Human urine**

Mcm5 is a novel marker for early and sensitive determination of Prostate Carcinoma. Conventional testing for Mcm5 is accomplished by the determination of PSA and fPSA which are marked by low sensitivity and specificity.
The Fortress Diagnostics Mcm5 Elisa is intended for quantitative determination of Mcm5 in human urine.

CA125	**BXE0821A**	**96T**	**high concentrations are linked to ovarian cancer and a range of benign and malignant diseases**
CA15-3	**BXE0881A**	**96T**	**considered one of the first prognostic factors for breast cancer**
CA19.9	**BXE0841A**	**96T**	**linked to gastrointestinal cancer**

The Fortress Diagnostics Cancer Antigen kits are intended for use in the quantitative determination of a range of cancer antigens.

ENDOCRINES

Anti-Tg	**BXE0895A**	**96T**	**Serum or plasma**
Anti-TPO	**BXE0896A**	**96T**	**Serum or plasma**
Cortisol	**BXE0831A**	**96T**	**Serum or plasma**
Ferritin	**BXE0891A**	**96T**	**Serum**

DIABETES RELATED

C-Peptide	**BXE0616A**	**96T**	**Serum**
Insulin	**BXE0616A**	**96T**	**Serum**

INFLAMMATION

CRP (High Sensitivity, quantitative)	**BXE0617A**	**96T**	**Serum or plasma**

COVID-19

Covid-19 Total Antibody	**BXE0882A**	**96T**	**ELISA**
Covid-19 Igm Antibody	**BXE0883A**	**96T**	**ELISA**

CARDIAC RELATED

Digoxin	**BXE0992A**	**96T**	**Human serum or plasma**

Digoxin - The clinical usefulness of the measurement of serum digoxin (DIG) is due to its low therapeutic ratio - a very small difference exists between therapeutic and toxic tissue levels. In addition, individuals may vary in their response to digoxin with an apparent increase in susceptibility to toxicity with age. The action of digoxin is to increase the force and velocity of the myocardial contraction. This is necessary in the treatment of congestive heart failure and arrhythmias such as atrial fibrillation and atrial flutter.
The Fortress Diagnostics Digoxin kit is intended for the quantitative determination of digoxin concentration in human serum or plasma by a microplate enzyme immunoassay.

TROPONIN-I	**BXE0864A**	**96T**	**Human serum**

The cardiac-specific isoform of Troponin-I (cTnI) has been known as a marker of heart damage and myocardial cell death, due to myocardial infarction, for just over 10 years. Troponin-I (cTnI, 24kDA) is the inhibitory subunit of the Troponin complex of striated muscle. Most of the Troponin (I & T) proteins are located within the contractile apparatus of the striated muscle.
The Fortress Diagnostics Troponin-I kit is a colorimetric enzyme-linked immunosorbent assay (ELISA) for the quantitative determination of circulating Troponin-I concentrations in human serum.

GASTROINTESTINAL

Helicobacter Pylori, IgA	**BXE0672A**	**96T**	**Human serum or plasma**
Helicobacter Pylori, IgG	**BXE0673A**	**96T**	**Human serum or plasma**
Helicobacter Pylori, IgM	**BXE0674A**	**96T**	**Human serum or plasma**

ALLERGENS

IgE	**BXE0641A**	**96T**	**Human serum**

MALARIA

Malaria (Antigen)	BXE0691A	96T	Whole blood

VITAMIN D

Vitamin D	BXE0111A	96T	Human Serum or plasma
Vitamin D (Fast - 90 Mins)	BXE0112A	96T	Human Serum or plasma

FERTILITY AND NEONATAL

Free βhCG	BXE0872A	96T	Human Serum
hCG	BXE0871A	96T	Human serum
hCG	BXE0871B	192T	Human serum
hCG Rapid	BXE0873A	96T	Human serum
hCG Rapid	BXE0873B	192T	Human serum
hCG Rapid Extended Range	BXE0874A	96T	Human serum
hCG Rapid Extended Range	BXE0874C	480T	Human serum
Neonatal T4	BXE0863A	96T	Human whole blood
Neonatal TSH	BXE0682A	96T	Human whole blood
PAPP-A (Pregnancy associated plasma protein A)	BXE0888A	96T	Human serum or plasma
Progesterone	BXE0661A	96T	Human serum or plasma
Progesterone	BXE0661B	192T	Human serum or plasma
Unconjugated Estriol (UE3)	BXE0865A	96T	Human serum or plasma
Patient Cards for NTSH & NT4	BXEPC100	100	6 specimen per paper card

FORTRESS® DIAGNOSTICS

CLINICAL CHEMISTRY REAGENTS

Fortress Diagnostics manufacturers, develops and supplies an extensive range of high-quality clinical chemistry reagents. The reagents are manufactured to the highest quality standards in an ISO 13485:2016–certified laboratory, ensuring excellent stability, accuracy and results you can trust.

WHY CHOOSE FORTRESS DIAGNOSTICS CLINICAL CHEMISTRY REAGENTS?

- Compatible with market leading analysers
- Controls available (see our QC and calibrators section)
- Flexibility: Lyophilised and liquid formats available, as well as a variety of kit sizes, to suit different laboratory sizes and needs
- Excellent stability, to ensure cost-effectiveness

Acid Phosphatase (Lyo.)	**BXC0401A**	**R1: 1 x 65ml R2: 6 x 10ml R3:3 x 10ml R4: 1 x 5ml**
Acid Phosphatase (Lyo.)	**BXC0401B**	**R1: 1 x 105ml R2: 10 x 10ml R3:5 x 10ml R4: 1 x 5ml**
Acid Phosphatase (Lyo.)	**BXC0401C**	**R1: 1 x 35ml R2: 10 x 3ml R3:5 x 3ml R4: 1 x 5ml**

Methodology: Colorimetric- Fast Red
Form: Lyo
Sample type: Serum
Sample Volume: 200 µl
Measuring Range: 1-90 U/L
Storage: 2°C - 8°C
Working Stability: 5 days at 2-8°C protected from light

ADA (L.S)	**BXC0208A**	**R1: 1 x 50ml R2: 1 x 5ml R3: 1 x 10ml R4: 1 x 5ml**

Methodology: Enzymatic UV
Form: LS
Sample type: Serum, Heparinized Plasma
Sample Volume: 25 µl
Measuring Range: 0 U/l - 210 U/l
Storage: 2°C - 8°C
Working Stability: 30 days at 2-8°C

Aldolase (Lyo.)	**BXC0391A**	**R1: 5 x 20ml R2: 2 x 1ml R3:1 x 0.5ml**

Methodology: GDH/TIM/LDH (UV)
Form: Lyo.
Sample type: Serum, Heparinized Plasma, EDTA Plasma
Sample Volume: 200µl
Measuring Range: 1.5 – 100 U/l
Storage: 2°C - 8°C
Working Stability: 2 weeks at 2-8°C

Albumin	**BXC0221A**	**R1: 6 x 60ml R4: 1 x 5ml**
Albumin (Monoliquid)	**BXC0222A**	**R1: 2 x 60ml R4: 1 x 5ml**
Albumin (Monoliquid)	**BXC0222B**	**R1: 6 x 60ml R4: 1 x 5ml**

Methodology: Bromocresol Green (BCG) Concentrate
Form: Concentrate
Sample type: Serum, plasma
Sample Volume: Macro: 10µl Micro: 5µl
Measuring Range: 1.76 g/dl - 60 g/l
Storage: 15°C - 25°C
Working Stability: 12 weeks at 15°C - 25°C

Alkaline Phosphatase (L.S) Colorimetric	**BXC0183A**	**R1: 1 x 50ml R2: 2 x 125ml R4: 1 x 5ml**
Alkaline Phosphatase (L.S) AMP (IFCC)	**BXC0184A**	**R1: 5 x 25ml R2: 1 x 25ml**
Alkaline Phosphatase (L.S) AMP (IFCC)	**BXC0184B**	**R1: 5 x 50ml R2: 1 x 50ml**
Alkaline Phosphatase (L.S) AMP (IFCC)	**BXC0184C**	**R1: 5 x 100ml R2: 1 x 100ml**
Alkaline Phosphatase (L.S) DEA (DGKC)	**BXC0185A**	**R1: 5 x 25ml R2: 1 x 25ml**
Alkaline Phosphatase (L.S) DEA (DGKC)	**BXC0185B**	**R1: 5 x 50ml R2: 1 x 50ml**
Alkaline Phosphatase (L.S) DEA (DGKC)	**BXC0185C**	**R1: 5 x 100ml R2: 1 x 100ml**
Alkaline Phosphatase (L.S) DEA (DGKC) 4+1	**BXC0187A**	**R1: 1 x 100ml R2: 1 x 25ml**
Alkaline Phosphatase (Lyo.) DEA (DGKC)	**BXC0181A**	**R1: 5 x 20ml R2: 5 x 20ml**
Alkaline Phosphatase (Lyo.) DEA (DGKC)	**BXC0181C**	**R1: 1 x 105ml R2: 10 x 10ml**
Alkaline Phosphatase (Lyo.) DEA (DGKC)	**BXC0181D**	**R1: 1 x 65ml R2: 20 x 3ml**
Alkaline Phosphatase (Lyo.) AMP (IFCC)	**BXC0182A**	**R1: 1 x 105ml R2: 5 x 20ml**
Alkaline Phosphatase (Lyo.) AMP (IFCC)	**BXC0182D**	**R1: 1 x 105ml R2: 10 x 10ml**

Methodology: Colorimetric, AMP (IFCC) or DEA (DGKC)
Sample type: Human serum or plasma
Storage: 2°C - 8°C

Alpha-1-Acid Glycoprotein (L.S)	**BXC0890A**	**R1: 1 x 20ml R2: 1 x 4ml**
Alpha-1-Antitrypsin (L.S)	**BXC0190A**	**R1: 1 x 20ml R2: 1 x 4ml**
Alpha-1-Antitrypsin (L.S)	**BXC0190B**	**R1: 2 x 20ml R2: 1 x 8ml**
Alpha-1-Microglobulin (L.S)	**BXC0888A**	**R1: 1 x 20ml R2: 1 x 4ml**
Alpha-1-Microglobulin (L.S)	**BXC0888B**	**R1: 2 x 20ml R2: 1 x 8ml**
Alpha-2-Macroglobulin (L.S)	**BXC0889A**	**R1: 1 x 20ml R2: 1 x 4ml**

Methodology: Immunoturbidimetric (Without Sample Pre-dilution)

ALT (GPT) (L.S) Colorimetric (Standard)	**BXC0212A**	**R1: 1 x 125ml R2: 1 x 125ml R4: 1 x 5ml R6:1 x 100ml**
ALT (GPT) (L.S) IFCC	**BXC0213A**	**R1: 1 x 100ml R2: 1 x 20ml**
ALT (GPT) (L.S) IFCC	**BXC0213D**	**R1: 2 x 100ml R2: 2 x 20ml**
ALT (GPT) (L.S) IFCC	**BXC0213F**	**R1: 5 x 100ml R2: 1 x 100ml**
ALT (GPT) (L.S) Colorimetric (Table)	**BXC0214A**	**R1: 1 x 100ml R2: 1 x 100ml**
ALT (GPT) (L.S) DGKC 4+1	**BXC0215A**	**R1: 1 x 100ml R2: 1 x 25ml**
ALT (GPT) (L.S) DGKC 4+1	**BXC0215B**	**R1: 2 x 100ml R2: 2 x 25ml**
ALT (GPT) (Lyo.) IFCC	**BXC0211B**	**R1: 2 x 105ml R2: 10 x 20ml**
ALT (GPT) (Lyo.) IFCC	**BXC0211C**	**R1: 1 x 105ml R2: 10 x 10ml**
ALT (GPT) (Lyo.) IFCC	**BXC0211D**	**R1: 5 x 50ml R2: 5 x 50ml**
ALT (GPT) (Lyo.) IFCC	**BXC0211E**	**R1: 1 x 45ml R2: 20 x 2ml**
ALT (GPT) (Monoliquid) UV	**BXC0127A**	**R1: 1 x 100ml**

Methodology: Kinetic UV
Sample Type: Human serum, plasma
Storage: 2°C - 8°C

Ammonia (Monoliquid) GLDH	**BXC0376A**	**R1: 10 x 10ml R4: 1 x 1ml Controls: 2 x 1ml**

Methodology: Enzymatic Uv - Dea (DGKC) - Lyophilised
Form: Mono
Sample Type: Plasma
Sample Volume: 1000 ul
Measuring Range: 9 - 1700 ug/dl
Storage: 2°C - 8°C
Working Stability: 5 days after opening at +2-8°C

Amylase (L.S) EPS-pNPG7 IFCC	**BXC0563A**	**R1: 1 x 25ml R2: 1 x 5ml**
Amylase (L.S) EPS-pNPG7 IFCC	**BXC0563B**	**R1: 2 x 25ml R2: 2 x 5ml**
Amylase (L.S) EPS-pNPG7 IFCC	**BXC0563D**	**R1: 1 x 100ml R2: 1 x 20ml**
Amylase (Lyo.) Benzylidene Blocked-pNPG7	**BXC0561A**	**R1: 1 x 30ml R2: 5 x 5ml**
Amylase (Monoliquid) CNPG3	**BXC0562A**	**R1: 6 x 10ml**
Amylase (Monoliquid) CNPG3	**BXC0562B**	**R1: 10 x 10ml**
Amylase, Pancreatic (L.S) EPS-pNPG7 IFCC	**BXC0564A**	**R1: 5 x 10ml R2: 5 x 2ml**

Sample Type: Human serum, plasma & urine
Storage: 2°C - 8°C

Angiotensin Converting Enzyme (ACE) (Monoliquid)	**BXC0176A**	**R1: 5 x 10ml R4: 1 x 1ml**

Methodology: Enzymatic UV (Liquid Stable)
Form: Mono
Sample Type: Serum/Heparinised Plasma
Sample Volume: 100 µl
Measuring Range: 5-170 U/l
Storage: 2°C - 8°C
Working Stability: 30 days @ +2-8°C

AST (GOT) (L.S) Colorimetric (Standard)	**BXC0202A**	**R1: 1 x 125ml R2: 1 x 125ml R4: 1 x 5ml R6:1 x 100ml**
AST (GOT) (L.S) IFCC	**BXC0203A**	**R1: 1 x 100ml R2: 1 x 20ml**
AST (GOT) (L.S) IFCC	**BXC0203D**	**R1: 2 x 100ml R2: 2 x 20ml**
AST (GOT) (L.S) IFCC	**BXC0203F**	**R1: 5 x 100ml R2: 1 x 100ml**
AST (GOT) (L.S) Colorimetric (Table)	**BXC0204A**	**R1: 1 x 100ml R2: 1 x 100ml**
AST (GOT) (L.S)	**BXC0205A**	**R1: 1 x 100ml R2: 1 x 25ml**
AST (GOT) (Lyo.) IFCC	**BXC0201B**	**R1: 2 x 105ml R2: 10 x 20ml**
AST (GOT) (Lyo.) IFCC	**BXC0201C**	**R1: 1 x 105ml R2: 10 x 10ml**
AST (GOT) (Lyo.) IFCC	**BXC0201D**	**R1: 5 x 50ml R2: 5 x 50ml**
AST (GOT) (Lyo.) IFCC	**BXC0201E**	**R1: 1 x 45ml R2: 20 x 2ml**
AST (GOT) (Monoliquid) UV	**BXC0128A**	**R1: 1 x 100ml**

Sample Type: Human serum, plasma
Sample Volume: 100 µl
Storage: 2°C - 8°C

Anti Thrombin-III (L.S)	**BXC0429A**	**R1: 2 x 20ml R2: 1 x 8ml**

Methodology: Immunoturbidimetric (Without Sample Pre-dilution)
Form: LS
Sample Type: Serum or plasma
Sample Volume: 2µl
Measuring Range: 3-80 mg/dl (0.03-0.80 g/l)
Storage: 2°C - 8°C
Working Stability: 4 weeks at 2-8°C

Apolipoprotein A1 (L.S)	**BXC0411A**	**R1: 2 x 20ml R2: 1 x 8ml**
Apolipoprotein B (L.S)	**BXC0412A**	**R1: 2 x 20ml R2: 1 x 8ml**

Methodology: Immunoturbidimetric (Without Sample Pre-dilution)
Form: LS
Sample Type: Serum or plasma
Sample Volume: 2µl
Storage: 2°C - 8°C
Working Stability: 30 days at + 2-8°C

ASO (L.S)	**BXC0501A**	**R1: 1 x 40ml R2: 1 x 10ml R4: 1 x 1ml**
ASO (L.S)	**BXC0501B**	**R1: 2 x 40ml R2: 2 x 10ml R4: 1 x 1ml**
ASO (L.S)	**BXC0501C**	**R1: 4 x 40ml R2: 4 x 10ml R4: 1 x 1ml**

Methodology: Turbidimetric Single Point
Form: LS
Sample Type: Serum
Sample Volume: 10 µl
Measuring Range: 12.5-800 U/l
Storage: 2°C - 8°C
Working Stability: 28 Days at +2-8°C

Access Fluid (Monoliquid)	**BXC0161B**	**1 x 1000ml**

Methodology: For use as a wetting agent for Technicon RA series of Analysers.
Form: Mono
Storage: At room temperature up to 25°C

Bile Acids (Lyo.)	**BXC0581A**	**R1: 1 x 65ml R2: 1 x 20ml R3:6 x 10ml**

Methodology: Enzymatic Colorimetric
Sample Type: Serum or plasma
Sample Volume: 4 µl
Storage: 2°C - 8°C

Bilirubin (L.S) DIRECT	**BXC0191A**	**R1: 2 x 50ml R2: 1 x 20ml**
Bilirubin (L.S) DIRECT	**BXC0191B**	**R1: 2 x 100ml R2: 1 x 40ml**
Bilirubin (L.S) TOTAL	**BXC0192A**	**R1: 2 x 50ml R2: 1 x 25ml**
Bilirubin (L.S) TOTAL	**BXC0192B**	**R1: 2 x 100ml R2: 1 x 50ml**
Bilirubin (L.S) TOTAL & DIRECT MANUAL	**BXC0193A**	**R1: 1 x 100ml R2: 1 x 100ml R3: 1 x 50ml / 1 x 10ml**
Bilirubin (L.S) TOTAL & DIRECT MANUAL	**BXC0193B**	**R1: 2 x 100ml R2: 1 x 100ml R3:1 x 100ml /1 x 20ml**
Bilirubin Direct (L.S) Vanadate Oxidation	**BXC0104A**	**R1: 2 x 70ml R2: 2 x 18ml**
Bilirubin Total (L.S) Vanadate Oxidation	**BXC0105A**	**R1: 2 x 70ml R2: 2 x 18ml**

Sample Type: Vanadate Oxidation and Colorimetric Methods available
Form: LS
Sample Type: Serum or plasma
Storage: 15-25°C

C1 Esterase Inhibitor (L.S)	**BXC0170A**	**R1: 1 x 20mlR2: 1 x 4ml**

Methodology: Immunoturbidimetric (Without Sample Pre-dilution)
Form: LS
Sample Type: Human serum or plasma
Sample Volume: 2 µl
Measuring Range: 0.10-106 mg/dl
Storage: +2-8°C
Working Stability: 4 weeks @ 2-8°C

Calcium (L.S) AMP/CPC	**BXC0291A**	**R1: 1 x 125ml R2: 1 x 125ml R3:1 x 12.5ml R4: 1 x 5ml**
Calcium (Monoliquid) Arsenazo	**BXC0292A**	**R1: 2 x 125ml R4: 1 x 5ml**

Methodology: Colorimetric
Form: LS
Sample Type: Serum, Plasma, Urine
Sample Volume: 25 µl
Measuring Range: AMP/CPC 0.12-5.50mmol/l (0.5-22mg/dl); Arsenazo 0.05-4.8mmol/l (0.2-19 mg/dl)
Storage: +2-8°C
Working Stability: 28 Days @ +2-8°C

Ceruloplasmin (L.S)	**BXC0765A**	**R1: 1 x 20ml R2: 1 x 4ml**

Methodology: Immunoturbidimetric (Without Sample Pre-dilution)
Form: LS
Sample Type: Human serum or plasma
Sample Volume: 2 µl
Measuring Range: 10-280 mg/dl (0.10-2.80g/l)
Storage: +2-8°C
Working Stability: 4 weeks @ 2-8°C

Chloride (Monoliquid)	**BXC0281A**	**R1: 2 x 60ml STD L:1 x 5ml STD H:1 x 5ml**

Methodology: Colorimetric (Thiocyanate)
Form: Mono
Sample Type: Serum/Plasma
Sample Volume: 10 µl
Measuring Range: Varies with each assay
Storage: 15- 25°C
Working Stability: Up to expiry when stored at +15°C- 25°C

Cholesterol (Lyo.)	**BXC0262A**	**R1: 2 x 105ml R2: 10 x 20ml R4: 1 x 5ml**
Cholesterol (Lyo.)	**BXC0262B**	**R1: 10 x 50ml R2: 10 x 50ml R4: 1 x 5ml**
Cholesterol (Monoliquid)	**BXC0261A**	**R1: 2 x 60ml R4: 1 x 5ml**
Cholesterol (Monoliquid)	**BXC0261B**	**R1: 6 x 60ml R4: 1 x 5ml**
Cholesterol (Monoliquid)	**BXC0261C**	**R1: 8 x 250ml R4: 1 x 5ml**
Cholesterol (Monoliquid)	**BXC0261D**	**R1: 4 x 250ml R4: 1 x 5ml**

Form: Mono/Lyo
Sample Type: Serum/Heparinised Plasma
Sample Volume: 10 µl
Storage: +2-8°C

Cholinesterase (L.S)	**BXC0801A**	**R1: 5 x 20 R2: 2 x 10ml**

Methodology: DGKC
Form: LS
Sample Type: Serum/Plasma
Sample Volume: 20 µl
Measuring Range: 35-25,000 U/l
Storage: +2-8°C
Working Stability: 24 Hrs @ 15-25°C, 5 days @ +2-8°C

Citrate (Urinary) (L.S)	**BXC0120A**	**R1: 2x10ml; R2: 1x2ml; R3: 2x10ml; 1x5ml, R4: 2x3ml**

Methodology: Enzymatic Colorimetric
Form: LS
Sample Type: Human urine
Sample Volume: 20 µl
Measuring Range: 0-1600 mg/l (0.03-8.34mmol/l)
Storage: +2-8°C
Working Stability: 3 days @ +2-8°C

CK-MB (L.S)	**BXC0452A**	**R1: 1 x 25ml R2: 1 x 5ml**
CK-MB (L.S)	**BXC0452B**	**R1: 2 x 25ml R2: 2 x 5ml**
CK-MB (L.S)	**BXC0452C**	**R1: 10 x 3ml R2: 1 x 6ml**
CK-MB (Lyo.)	**BXC0451A**	**R1: 1 x 35ml R2: 10 x 2.5ml R3:1 x 2ml**
CK-MB (Lyo.)	**BXC0451B**	**R1: 1 x 105ml R2: 10 x 10ml R3:1 x 2ml**
CK-MB (Lyo.)	**BXC0451C**	**R1: 1 x 15ml R2: 5 x 2.5ml R3:1 x 2ml**
CK-MB 4+1 (L.S)	**BXC0458A**	**R1: 1 x 20ml R2: 1 x 4ml**
CK-MB 4+1 (L.S)	**BXC0458A**	**R1: 2 x 20ml R2: 1 x 8ml**

Methodology: Enzymatic UV
Form: LS
Sample Type: Serum or plasma
Measuring Range: 5-1000 U/l
Storage: +2-8°C

CK-nac (L.S)	**BXC0252A**	**R1: 2 x 25ml R2: 2 x 5ml**
CK-nac (L.S)	**BXC0252B**	**R1: 2 x 50ml R2: 2 x 10ml**
CK-nac (L.S)	**BXC0252C**	**R1: 6 x 10ml R2: 1 x 12ml**
CK-nac (Lyo.)	**BXC0251B**	**R1: 1 x 105ml R2: 10 x 10ml**
CK-nac (Lyo.)	**BXC0251D**	**R1: 1 x 35ml R2: 10 x 2.5ml**
CK-nac 4+1 (L.S)	**BXC0253A**	**R1: 2 x 20ml R2: 1 x 10ml**
CK-nac 4+1 (L.S)	**BXC0253B**	**R1: 2 x 40ml R2: 1 x 20ml**

Methodology: Enzymatic UV
Form: LS/Lyo
Sample Type: Serum or plasma
Measuring Range: 2-2300 U/l
Storage: +2-8°C

CO2 (Bicarbonate) (Monoliquid)	**BXC0152A**	**R1: 10 x 5ml R4: 1 x 1ml**
CO2 (Bicarbonate) (Monoliquid)	**BXC0152B**	**R1: 10 x 10ml R4: 1 x 1ml**

Methodology: Enzymatic
Form: LS
Sample Type: Serum
Sample Volume: 10 µl
Measuring Range: 1.12-50 mmol/l
Storage: +2-8°C
Working Stability: 7 days @ +2-8°C after opening

Complement C3 (L.S)	**BXC0851A**	**R1: 2 x 20ml R2: 1 x 8ml**
Complement C4 (L.S)	**BXC0861A**	**R1: 2 x 20ml R2: 1 x 8ml**

Methodology: Immunoturbidmetric
Form: LS
Sample Type: Human serum or plasma
Sample Volume: 2 µl
Measuring Range: Varies according to assay
Storage: +2-8°C
Working Stability: 4 weeks @ +2-8°C

Copper (Monoliquid)	**BXC0341A**	**R1: 2 x 25ml R4: 1 x 5ml**
Copper (Urinary) (L.S)	**BXC0342A**	**R1: 2 x 25ml R2: 1 x 10ml R4: 1 x 5ml**
Copper Urinary (Monoliquid)	**BXC0343A**	**R1: 2 x 25ml R4: 1 x 5ml**

Methodology: Colorimetric
Sample Type: Serum or plasma
Measuring Range: Varies according to assay
Storage: +2-8°C
Working Stability: 28 days @ +2-8°C

Creatinine (L.S)	**BXC0111A**	**R1: 1 x 120ml R2: 1 x 120ml R4: 1 x 5ml**
Creatinine (L.S)	**BXC0111B**	**R1 3 x 60ml R2 3 x 60ml R4 1 x 5ml**
Creatinine (L.S)	**BXC0112A**	**R1: 1 x 120ml R2: 1 x 120ml R4: 1 x 35ml**
Creatinine (L.S)	**BXC0117A**	**R1: 1 x 120ml R2: 1 x 120ml R4: 1 x 5ml**
Creatinine (Lyo.)	**BXC0113A**	**R1: 4 x 25ml R2: 4 x 25mlR3: 2 x 10mlR4: 1 x 2ml**
Creatinine (Lyo.)	**BXC0113B**	**R1: 8 x 25ml R2: 8 x 25mlR3: 4 x 10mlR4: 1 x 2ml**
Creatinine TCA Concentrate	**BXC0114A**	**R1: 1 x 120ml**

Methodology: Jaffe without Deproteinization/ Enzymatic, UV
Sample Type: Serum/plasma and urine

CRP (L.S)	**BXC0382A**	**R1: 1 x 40ml R2: 1 x 10ml R4: 1 x 1ml**
CRP (L.S)	**BXC0382B**	**R1: 2 x 40ml R2: 2 x 10ml R4: 1 x 1ml**
CRP (L.S)	**BXC0382C**	**R1: 4 x 40ml R2: 4 x 10ml R4: 1 x 1ml**
CRP (L.S)	**BXC0384A**	**R1: 2 x 20ml R2: 1 x 8ml R4: 1 x 1ml**
CRP (ULTRA SENSITIVE) (L.S)	**BXC0383A**	**R1: 1 x 16ml R2: 1 x 4ml R4: 1 x 200ul**

Methodology: Immunoturbidmetric/ Turbidmetric
Form: LS
Sample Type: Human serum or plasma
Storage: +2-8°C

Cystatin-C (L.S)	BXC0777A	R1: 1 x 20ml R2: 1 x 5ml

Methodology: Latex Enhanced Turbidmetric
Form: LS
Sample Type: Serum
Sample Volume: 3 µl
Measuring Range: 1-10 mg/ml
Storage: +2-8°C
Working Stability: 30 days @ +2-8°C

D3-Hydroxybutyrate (L.S)	BXC0542A	R1: 1 x 50ml R2: 1 x 8ml R4: 1 x 5ml
D3-Hydroxybutyrate (Lyo.)	BXC0541A	R1: 1 x 50ml R2: 5 x 10ml R4: 1 x 5ml

Methodology: Enzymatic
Sample Type: Serum or plasma
Sample Volume: 25 µl
Measuring Range: 1.12-50 mmol/l
Storage: +2-8°C

D-Dimer (L.S)	BXC0787A	R1: 1 x 20ml R2: 1 x 4ml
D-Dimer (L.S)	BXC0787B	R1: 1 x 20ml R2: 1 x 8ml

Methodology: Turbilatex
Form: LS
Sample Type: Serum
Sample Volume: 18 µl
Measuring Range: 0.2-10 ug/ml
Storage: +2-8°C
Working Stability: 4 weeks at 2-8°C

Drabkins Solution (For use with BXC0551A) (L.S)	BXC0552A	R1: 4 x 200ml

Form: LS
Sample Type: Whole blood
Sample Volume: 50 ul
Storage: Room temperature up to 25°C
Working Stability: 6 months @ Room Temperature up to 25°C

Ethanol (L.S)	BXC0491A	R1: 3 x 20ml R2: 2 x 5ml R4: 1 x 2ml

Methodology: Enzymatic UV
Form: LS
Sample Type: Serum/Plasma/Urine
Sample Volume: 8 µl
Measuring Range: 0 - 300 mg/dl
Storage: +2-8°C
Working Stability: 28 days at 2°C - 8°C

Ferritin (L.S)	BXC0441A	R1: 1 x 20ml R2: 1 x 5ml R4: 1 x 1ml

Methodology: Turbidimetric
Form: LS
Sample Type: Serum or plasma
Sample Volume: 90 µl
Measuring Range: 5.0-600 ug/l
Storage: 2-8°C / DO NOT FREEZE
Working Stability: Stable up to expiry date

Fibrinogen (L.S)	BXC0442A	R1: 2 x 20ml R2: 1 x 8ml

Methodology: Immunoturbidimetry
Form: LS
Sample Type: Plasma
Sample Volume: 50 ul
Measuring Range: 100-900 mg/dl
Storage: 2°C - 8°C
Working Stability: 28 days at 2-8°C

Fructosamine (L.S)	BXC0591A	R1: 3 x 6ml R2: 3 x 14ml

Methodology: Colorimetric-Enzymatic
Form: LS
Sample Type: Human serum or plasma
Sample Volume: 50 µl
Measuring Range: 10-1000 umol/l
Storage: 2°C - 8°C
Working Stability: 28 days @ +2-8°C

GGT (L.S)	BXC0362A	R1: 1 x 60ml R2: 1 x 12ml
GGT (L.S)	BXC0362D	R1: 2 x 60ml R2: 2 x 12ml
GGT (Lyo.)	BXC0361A	R1: 1 x 60ml R2: 5 x 10ml

Methodology: Carboxy
Sample Type: Serum or plasma
Measuring Range: 1-1200 U/l
Storage: +2-8°C

Glucose (L.S)	**BXC0103A**	**R1: 5 x 25ml R2: 1 x 25ml R4: 1 x 5ml**
Glucose (Lyo.)	**BXC0102A**	**R1: 4 x 250ml R2: 4 x 250ml R4: 1 x 5ml**
Glucose (Lyo.)	**BXC0102B**	**R1: 10 x 500ml R2: 10 x 500ml R4: 1 x 5ml**
Glucose (Monoliquid)	**BXC0101A**	**R1: 6 x 60ml R4: 1 x 5ml**
Glucose (Monoliquid)	**BXC0101B**	**R1: 6 x 125ml R4: 1 x 5ml**
Glucose (Monoliquid)	**BXC0101C**	**R1: 2 x 500ml R4: 1 x 5ml**
Glucose (Monoliquid)	**BXC0101D**	**R1: 4 x 250ml R4: 1 x 5ml**
Glucose (Monoliquid)	**BXC0101E**	**R1: 10 x 500ml R4: 1 x 5ml**

Methodology: Enzymatic
Sample Type: Blood, CSF, Urine (BXC0103 only)/Human serum or plasma
Storage: +2-8°C
Working Stability: 28 days @ +2-8°C

Glucose-6-Phosphate Dehydrogenase (G6PDH) (Lyo.)	**BXC0571A**	**R1: 2 x 50ml R2: 1 x 2ml R3:1 x 2ml R4: 1 x 20ml**
Glucose-6-Phosphate Dehydrogenase (G6PDH) (Lyo.)	**BXC0574A**	**25 TESTS**
Glucose-6-Phosphate Dehydrogenase (G6PDH) (Lyo.)	**BXC0574B**	**50 TESTS**
Glucose-6-Phosphate Dehydrogenase (G6PDH) (Lyo.)	**BXC0574C**	**100 TESTS**
Glucose-6-Phosphate Dehydrogenase (G6PDH) (Lyo.)	**BXC0574D**	**500 TESTS**
Glucose-6-Phosphate Dehydrogenase (G6PDH) (Lyo.)	**BXC0574E**	**800 TESTS**

Methodology: UV
Form: Lyo
Sample Type: Whole blood
Sample Volume: 10ul
Measuring range: 150-1250 U/l (BXC0571A only)
Storage: +2-8°C
Working Stability: 4 weeks @ 2-8°C

Glutathione Peroxidase (Lyo.)	**BXC0551A**	**R1: 1 x 70ml R2: 5 x 10ml R3:1 x 1ml R6:2 x 200ml**
Glutathione Reductase (Lyo.)	**BXC0853A**	**R1: 1 x 50ml R2: 5 x 5ml R3: 5 x 3ml**
GLYCOHAEMOGLOBIN (L.S)	**BXC0650A**	**R1: 1 x 60ml R2: 1 x 10ml R4: 1 x 1ml**
GLYCOHAEMOGLOBIN (L.S)	**BXC0650B**	**R1: 3 x 100ml R2: 1 x 50ml R4: 1 x 1ml**

Methodology: Enzymatic UV
Sample Type: Serum, plasma or erythrocytes
Storage: +2-8°C

Haemoglobin (Monoliquid)	**BXC0482A**	**R1: 1 x 1000ml**
Haemoglobin (Monoliquid)	**BXC0482B**	**R1: 3 x 1000ml**
GLYCOHAEMOGLOBIN (L.S)	**BXC0650A**	**R1: 1 x 60ml R2: 1 x 10ml R4: 1 x 1ml**
GLYCOHAEMOGLOBIN (L.S)	**BXC0650B**	**R1: 3 x 100ml R2: 1 x 50ml R4: 1 x 1ml**

Methodology: Colorimetric Method
Form: Conc
Sample Type: Human blood
Sample Volume: 20 µl
Measuring Range: 0.03-20 g/dl
Storage: +2-8°C
Working Stability: Undiluted RGT stable up to exp date shown when stored @ + 2-8°C: diluted @ room temp

Haptoglobin (L.S)	**BXC0496A**	**R1: 2 x 20ml R2: 1 x 8ml**

Methodology: Immunuoturbidmetric
Form: LS
Sample Type: Human serum or plasma
Measuring Range: 20-570 mg/dl (0.20-5.70 g/l)
Storage: 2°C - 8°C
Working Stability: 4 weeks @ +2-8°C

HbA1c	**BXC0670A**	**R1: 1 x 30ml R2: 1 x 10ml R3: 2 x 120ml R4: 2 x 0.5ml**
HbA1c	**BXC0668A**	**2 x 1 x 0.5ml**
HbA1c	**BXC0669A**	**2 x 1 x 0.5ml**
HbA1c	**BXC0671A**	**25 Tests**
HbA1c	**BXC0671B**	**10 Tests**
HbA1c	**BXC0671C**	**100 Tests**
HbA1c	**BXC0672A**	**R1: 1 x 7ml R2: 1 x 3ml R3:1 x 4.5ml R4: 1 x 15ml**
HbA1c	**BXC0672B**	**R1: 1 x 21ml R2: 1 x 9ml R3:1 x 12.5ml R4: 1 x 45ml**

Methodology: Modified Enzymatic
Form: Conc
Sample Type: Human blood
Sample Volume: 6 µl
Measuring Range: 3-15%
Storage: 2°C - 8°C
Working Stability: 4 weeks @ 2-8°C

HDL Cholesterol (L.S)	**BXC0421A**	**R1: 3 x 10ml R2: 1 x 10ml**
HDL Cholesterol (L.S)	**BXC0421B**	**R1: 6 x 30ml R2: 3 x 20ml**
HDL Cholesterol (L.S)	**BXC0421C**	**R1: 4 x 70ml R2: 2 x 50ml**
HDL Cholesterol (L.S)	**BXC0421D**	**R1: 3 x 10ml R2: 1 x 10ml R4: 1 x 1ml**
HDL Cholesterol (L.S)	**BXC0421E**	**R1: 6 x 30ml R2: 3 x 20ml R4: 1 x 1ml**
HDL Cholesterol (L.S)	**BXC0421F**	**R1: 4 x 70ml R2: 2 x 50ml R4: 1 x 1ml**
HDL Cholesterol (L.S)	**BXC0421G**	**R1: 4 x 125ml R2: 2 x 85ml R4: 1 x 1ml**
HDL Cholesterol (Monoliquid)	**BXC0422A**	**R1: 2 x 60ml R4: 1 x 5ml**

Methodology: Enzymatic
Sample Type: Serum or heparinised plasma

Homocysteine (L.S)	**BXC0690A**	**R1: 1 x 16ml R2: 1 x 4ml**

Methodology: Enzymatic UV
Form: LS
Sample Type: Serum or plasma
Sample Volume: 52 µl
Measuring Range: 0.5-50 umol/l
Storage: +2-8°C
Working Stability: 5 days at 2-8°C

IgA (L.S)	**BXC0701A**	**R1: 2 x 20ml R2: 1 x 8ml**

Methodology: Immunoturbidmetric
Form: LS
Sample Type: Human serum or plasma
Sample Volume: 2 µl
Measuring Range: 50-800 mg/dl (0.5-8.00 g/l)
Storage: +2-8°C
Working Stability: 4 weeks @ 2-8°C

IgE (L.S)	**BXC0751A**	**R1: 2 x 20ml R2: 1 x 8ml**

Methodology: Immunoturbidmetric
Form: LS
Sample Type: Human serum or plasma
Sample Volume: 35 µl
Measuring Range: 5.7-1500 IU/ml (16.4-2400 ng/ml)
Storage: +2-8°C
Working Stability: 4 weeks @ 2-8°C

IgG (L.S)	BXC0721A	R1: 2 x 20ml R2: 1 x 8ml

Methodology: Immunoturbidmetric
Form: LS
Sample Type: Human serum or plasma
Sample Volume: 2 µl
Measuring Range: 300-3100 mg/dl
Storage: +2-8°C
Working Stability: 4 weeks @ 2-8°C

IgM (L.S)	BXC0731A	R1: 2 x 20ml R2: 1 x 8ml

Methodology: Immunoturbidmetric
Form: LS
Sample Type: Human serum or plasma
Sample Volume: 2 µl
Measuring Range: 25-650 mg/dl (0.25-6.5 g/l)
Storage: +2-8°C
Working Stability: 4 weeks @ 2-8°C

Iron (L.S)	BXC0232A	R1 2 x 125ml R2 1 x 65ml
Iron (L.S)	BXC0235A	R1: 2 x 50ml R2: 2 x 10ml R4: 1 x 5ml
Iron (L.S)	BXC0235B	R1: 4 x 50ml R2: 2 x 20ml R4: 1 x 5ml
Iron (Monoliquid)	BXC0236A	R1: 2 x 50ml R4: 1 x 5ml
Iron/UIBC (L.S)	BXC0234A	A:1 x 100ml B:2 x 15ml C:1 x 10ml D:1 x 10ml E:1 x 10ml F:1 x 100ml G:1 x 5ml

Sample Type: Human serum or plasma
Storage: +2-8°C
Working Stability: 4 weeks @ 2-8°C

Kappa Light Chains (L.S)	BXC0331A	R1: 2 x 20ml R2: 1 x 8ml

Methodology: Immunoturbidmetric
Form: LS
Sample Type: Serum or plasma
Sample Volume: 2 µl
Measuring Range: 25-900 mg/dl (0.25-9.00 g/l)
Storage: +2-8°C
Working Stability: Onboard stability 28 days at 2-8°C

Lactate (Lyo.)	**BXC0621A**	**R1: 1 x 105ml R2: 16 x 6ml R4: 1 x 5ml**
Lactate (Monoliquid)	**BXC0622A**	**R1: 2 x 50ml R4: 1 x 5ml**
Lactate Dehydrogenase (LD) (L.S)	**BXC0242A**	**R1: 5 x 20ml R2: 1 x 20ml**
Lactate Dehydrogenase (LD) (L.S)	**BXC0242B**	**R1: 10 x 10ml R2: 2 x 10ml**
Lactate Dehydrogenase (LD) (L.S)	**BXC0243A**	**R1: 5 x 20ml R2: 1 x 20ml**
Lactate Dehydrogenase (LD) (L.S)	**BXC0243B**	**R1: 10 x 10ml R2: 2 x 10ml**

Methodology: Enzymatic Colorimetric
Sample Type: Plasma and CSF
Sample Volume: 10 µl
Storage: 2°C - 8°C

Lambda Light Chains (L.S)	**BXC0381A**	**R1: 2 x 20ml R2: 1 x 8ml**

Methodology: Immunoturbidmetric
Form: LS
Sample Type: Serum or plasma
Sample Volume: 2 µl
Measuring Range: 30-500 mg/dl : 0.30-5.00 g/l
Storage: +2-8°C
Working Stability: 4 weeks @ 2-8°C

LDL Cholesterol (L.S)	**BXC0431A**	**R1: 3 x 10ml R2: 1 x 10ml**
LDL Cholesterol (L.S)	**BXC0431B**	**R1: 6 x 30ml R2: 3 x 20ml**
LDL Cholesterol (L.S)	**BXC0431C**	**R1: 4 x 70ml R2: 2 x 50ml**
LDL Cholesterol (L.S)	**BXC0431D**	**R1: 3 x 10ml R2: 1 x 10ml R4: 1 x 1ml**
LDL Cholesterol (L.S)	**BXC0431E**	**R1: 6 x 30ml R2: 3 x 20ml R4: 1 x 1ml**
LDL Cholesterol (L.S)	**BXC0431F**	**R1: 4 x 70ml R2: 2 x 50ml R4: 1 x 1ml**
LDL Cholesterol (Monoliquid)	**BXC0432A**	**R1: 2 x 60ml R4: 1 x 5ml**

Methodology: Enzymatic Colorimetric
Sample Type: Serum & plasma
Sample Volume: 5 µl
Storage: 2°C - 8°C

Lipase (L.S)	**BXC0511A**	**R1: 2 x 10ml R2: 1 x 10ml R4: 1 x 1ml**
Lipase (UV) (Lyo.)	**BXC0512A**	**R1: 1 x 35ml R2: 10 x 2.5ml R4: 3 x 1ml**

Methodology: Enzymatic Colormetric
Form: LS
Sample Type: Serum or plasma
Sample Volume: 30 µl
Measuring Range: 2.43-548 U/l
Storage: +2-8°C
Working Stability: 31 days @ +2-8°C

Lithium (L.S)	**BXC0125A**	**R1: 1 x 20ml R2: 1 x 10ml**

Methodology: Enzymatic

Magnesium (L.S) Calmagite	**BXC0351A**	**R1: 1 x 60ml R2: 1 x 60ml R4: 1 x 5ml**
Magnesium (L.S) Calmagite	**BXC0351B**	**R1: 2 x 20ml R2: 2 x 20ml R4: 1 x 5ml**
Magnesium (Monoliquid) Xylidyl Blue	**BXC0352A**	**R1: 2 x 60ml R4: 1 x 5ml**
Magnesium (Monoliquid) Xylidyl Blue	**BXC0352B**	**R1: 6 x 60ml R4: 1 x 5ml**
Magnesium (Monoliquid) Arsenazo	**BXC0353A**	**R1: 2 x 60ml R4: 1 x 5ml**

Sample Type: Serum, plasma or urine
Storage: 15-25°C
Working Stability: 7 days @ +15-25°C (Magnesium calmagite); Up to expiry when stored @ +15-25°C (Magesium Xylidyl Blue & Arsenazo)

Microalbumin (L.S)	**BXC0471A**	**R1: 1 x 50ml R2: 1 x 10ml R4: 5 x 1ml(C1-C5)**

Methodology: Immunoturbidmetric
Form: LS
Sample Type: Urine
Sample Volume: 60 µl
Measuring Range: 0.25-200 mg/l
Storage: +2-8°C
Working Stability: up to expiry when stored at +2-8°C

Oxalate (Urinary) (L.S)	**BXC0129A**	**40 TESTS**

Methodology: Immunoturbidmetric
Form: LS
Sample Type: Human urine
Sample Volume: 25 µl
Measuring Range: 0.003-2 mmol/l
Storage: +2-8°C
Working Stability: up to expiry when stored @+15-25°C

Phosphorus (Inorganic) (L.S)	**BXC0301A**	**R1: 2 x 30ml R2: 2 x 70ml R4: 1 x 5ml**
Phosphorus (Inorganic) (Monoliquid)	**BXC0302A**	**R1: 5 x 20ml R4: 1 x 5ml**

Methodology: Molybdate (UV)
Sample Type: Serum or urine (BXC0302 only)
Sample Volume: 10 µl
Measuring Range: 0.25-6.5 mmol/l
Storage: 15°C - 25°C

Potassium (L.S)	**BXC0132A**	**R1: 1 x 30ml R2: 1 x 30ml R3:1 x 60ml R4: 1 x 5ml**
Potassium (L.S)	**BXC0135A**	**R1: 4 x 20ml R2: 2 x 10ml R4: 2 x 5ml**
Potassium (Monoliquid)	**BXC0138A**	**R1: 5 x 20ml R4: 1 x 5ml**
Potassium (Monoliquid)	**BXC0138B**	**R1: 10 x 20ml R4: 1 x 5ml**

Sample Type: Serum
Storage: 2-8°C

Pre-Albumin (L.S)	**BXC0449A**	**R1: 2 x 20ml R4: 1 x 8ml**

Methodology: Immunoturbidmetric
Form: LS
Sample Type: Serum and plasma
Sample Volume: 2 µl
Measuring Range: 3-80 mg/dl (0.07-0.80 g/l)
Storage: +2-8°C
Working Stability: 4 weeks at 2-8°C

RF (L.S)	**BXC0611A**	**R1: 1 x 40ml R2: 1 x 10ml R4: 1 x 2ml**
RF (L.S)	**BXC0611B**	**R1: 2 x 40ml R2: 2 x 10ml R4: 1 x 2ml**
RF (L.S)	**BXC0611C**	**R1: 4 x 40ml R2: 4 x 10ml R4: 1 x 2ml**

Methodology: Turbidimetric
Form: LS
Sample Type: Human serum or plasma
Sample Volume: 7 µl
Measuring Range: 6-160 IU/ml
Storage: 2-8°C
Working Stability: Stable up to expiry date when stored at +2-8°C

Sodium (L.S)	**BXC0142A**	**R1: 2 x 20ml R2: 2 x 10ml R4: 2 x 5ml**
Sodium (Monoliquid)	**BXC0146A**	**R1: 5 x 20mlR4: 2 x 5ml**

Methodology: Enzymatic
Sample Type: Human serum
Storage: 2-8°C

TIBC (L.S)	**BXC0233A**	**R1: 1 x 100ml R2: 1 x 20g**
TIBC (L.S)	**BXC0237A**	**R1: 1 x 50ml R2: 1 x 15ml**

Methodology: Biuret (Colorimetric & ready to use)
Form: LS
Sample Type: Human serum or plasma
Sample Volume: 20 µl (TIBC Direct)

Total Antioxidant Status (TAS) (L.S)	**BXC0553A**	**R1: 1 x 50ml R2: 1 x 10ml STD1 1 x 1ml STD2 1 x 1ml**

Methodology: Enzymatic colorimetric
Form: LS
Sample Type: Serum and plasma
Sample Volume: 50 µl
Measuring Range: Linear up to 2.7 mmol/l
Storage: +2-8°C
Working Stability: Opened reagents - 28 days @ + 2-8°C

Total Lipid (Colorimetric) (L.S)	**BXC0263A**	**R1: 2 x 100ml R4: 1 x 10ml**

Methodology: Colorimetric
Form: LS
Sample Type: Serum
Sample Volume: 10 µl
Measuring Range: 3-1300 mg/dl
Storage: Room temperature up to 25°C
Working Stability: up to expiry when stored at RT up to +25°C

Total Protein (L.S)	**BXC0171A**	**R1: 4 x 125ml R2: 1 x 50ml R4: 1 x 5ml**
Total Protein (Monoliquid)	**BXC0173A**	**R1: 2 x 60ml R4: 1 x 5ml**
Total Protein (Monoliquid)	**BXC0173B**	**R1: 6 x 60ml R4: 1 x 5ml**

Methodology: Biuret (Colorimetric & ready to use)
Sample Type: Human serum or plasma
Sample Volume: 20 µl
Measuring Range: 6-160 IU/ml
Storage: Room temperature up to 25°C

Transferrin (L.S)	**BXC0741A**	**R1: 2 x 20ml R2: 1 x 8ml**

Methodology: Immunoturbidimetric
Form: LS
Sample Type: Human serum or plasma
Sample Volume: 2 µl
Measuring Range: 15-850 mg/dl
Storage: +2-8°C
Working Stability: up to expiry when stored at +2-8°C

Triglycerides (Lyo.)	**BXC0272A**	**R1: 1 x 105ml R2: 10 x 10ml R4: 1 x 5ml**
Triglycerides (Lyo.)	**BXC0272B**	**R1: 2 x 105ml R2: 10 x 20ml R4: 1 x 5ml**
Triglycerides (Lyo.)	**BXC0272C**	**R1: 4 x 50ml R2: 4 x 50ml R4: 1 x 5ml**
Triglycerides (Monoliquid)	**BXC0271A**	**R1: 2 x 60ml R4: 1 x 5ml**
Triglycerides (Monoliquid)	**BXC0271B**	**R1: 4 x 60ml R4: 1 x 5ml**
Triglycerides (Monoliquid)	**BXC0271C**	**R1: 5 x 20ml R4: 1 x 5ml**
Triglycerides (Monoliquid)	**BXC0271D**	**R1: 12 x 60ml R4: 1 x 5ml**

Methodology: Enzymatic
Sample Type: Human serum or plasma
Sample Volume: 10 µl
Measuring Range: 3-1000 mg/dl (0.05-11.4 mmol/l)
Storage: 2°C - 8°C

Troponin-I (L.S)	**BXC0469A**	**R1: 1 x 40ml R2: 1 x 10ml**
Troponin-I (L.S)	**BXC0469B**	**R1: 1 x 80ml R2: 1 x 20ml**

Methodology: Latex Enhanced Turbidmetry
Form: LS
Sample Type: Serum or plasma
Sample Volume: 25 µl
Measuring Range: 0.28-10 ng/ml
Storage: +2-8°C
Working Stability: Onboard stability 28 days @ + 2-8°C

Urea (L.S)	**BXC0122A**	**R1: 2 x 125ml R2: 1 x 50ml R3:2 x 6.5ml R4: 1 x 5ml**
Urea (L.S)	**BXC0122B**	**R1: 4 x 125ml R2: 2 x 50ml R3:4 x 6.5ml R4: 1 x 5ml**
Urea (L.S)	**BXC0123A**	**R1: 1 x 100ml R2: 1 x 20ml R4: 1 x 5ml**
Urea (L.S)	**BXC0123B**	**R1: 3 x 100ml R2: 1 x 60ml R4: 1 x 5ml**
Urea (L.S)	**BXC0123C**	**R1: 5 x 100ml R2: 1 x 100ml R4: 1 x 5ml**
Urea (L.S)	**BXC0124A**	**R1: 1 x 100ml R2: 1 x 25ml R4: 1 x 5ml**
Urea (Lyo.)	**BXC0121A**	**R1: 1 x 105ml R2: 5 x 20ml R4: 1 x 5ml**
Urea (Lyo.)	**BXC0121B**	**R1: 2 x 105ml R2: 10 x 20ml R4: 1 x 5ml**
Urea (Monoliquid)	**BXC0126A**	**R1: 1 x 100ml R4: 1 x 5ml**

Methodology: Enzymatic
Sample Type: Human serum or plasma
Sample Volume: 10 µl
Storage: 2°C - 8°C

Uric Acid (L.S)	**BXC0602A**	**R1: 4 x 50ml R2: 1 x 50ml R4: 1 x 5ml**
Uric Acid (L.S)	**BXC0602B**	**R1: 4 x 20ml R2: 1 x 20ml R4: 1 x 5ml**
Uric Acid (Lyo.)	**BXC0601A**	**1: 1 x 105ml R2: 5 x 20ml R4: 1 x 5ml**
Uric Acid (Lyo.)	**BXC0601B**	**R1: 2 x 105ml R2: 10 x 20ml R4: 1 x 5ml**
Uric Acid (Monoliquid)	**BXC0603A**	**R1: 5 x 20ml R4: 1 x 5ml**
Uric Acid (Monoliquid)	**BXC0603B**	**R1: 1 x 100ml R4: 1 x 5ml**
Uric Acid (Monoliquid)	**BXC0603C**	**R1: 5 x 100ml R4: 1 x 5ml**

Methodology: Enzymatic
Sample Type: Human serum, plasma or urine
Storage: 2°C - 8°C

Urinary & CSF Protein (L.S)	**BXC0174A**	**R1: 1 x 50ml R2: 1 x 10ml R4: 1 x 5 x 1ml**
Urinary & CSF Protein (Monoliquid)	**BXC0172A**	**R1: 2 x 60ml R4: 1 x 5ml**
Urinary & CSF Protein (Monoliquid)	**BXC0172B**	**R1: 4 x 60ml R4: 1 x 5ml**

Methodology: Colorimetric
Sample Type: Urine and CSF fluid
Sample Volume: 30 µl

VITAMIN-D (L.S)	**BXC0472A**	**R1: 1 x 9ml R2: 1 x 18ml R3: 1 x 9ml R4: 1 x 18ml CAL: 5 x 1ml**

Methodology: Enzymatic
Form: LS
Sample Type: Serum and plasma
Sample Volume: 3 µl
Measuring Range: 7.6- 147.8 ng/ml
Storage: 2°C - 8°C
Working Stability: Up to expiry when stored at 2-8°C

Zinc (L.S)	**BXC0461A**	**R1: 2 x 50ml R2: 1 x 25ml R3: 1 x 25ml R4: 1 x 10ml**
Zinc (Monoliquid)	**BXC0462A**	**R1: 2 x 40ml R4: 1 x 5ml**

Methodology: Latex Enhanced Turbidmetry
Form: LS
Sample Type: Serum or plasma
Sample Volume: 3 µl
Measuring Range: 7.6- 147.8 ng/ml
Storage: +2-8°C
Working Stability: Up to expiry when stored at 2-8°C

FORTRESS® DIAGNOSTICS

AQUEOUS STANDARDS

Fortress Diagnostics are a multi-award-winning global provider of in vitro diagnostics (IVDs). They develop, manufacture and support an extensive portfolio of clinical diagnostic tests and biochemistry solutions in the United Kingdom.

Albumin	**BXCSTD01**	**45 g/l (4.5g/dL)**	**10 x 5ml**
Calcium	**BXCSTD02**	**Referenced against NIST 909b (2.5mmol/l10mg/dL)**	**10 x 5ml**
Chloride	**BXCSTD03**	**Referenced against NIST 909b (75mmol/l)**	**10 x 5ml**
Chloride	**BXCSTD04**	**Referenced against NIST 909b (100mmol/l)**	**10 x 5ml**
Cholesterol	**BXCSTD05**	**Referenced against NIST 909b (5.17mmol/l200mg/dL)**	**10 x 5ml**
Creatinine	**BXCSTD06**	**Referenced against NIST 909b (177 µmol/l2 mg/dL)**	**10 x 5ml**
Creatinine/Glucose/Urea Standard	**BXCSTD24**	**Referenced against NIST 965a / 909b (5.55 mmol/l100mg/dL/ 177 µmol/l / 8.33mmol/l)**	**10 x 5ml**
Glucose	**BXCSTD07**	**Referenced against NIST 965a (5.55 mmol/l100mg/dL)**	**10 x 5ml**
Haemoglobin Standard	**BXCSTD08**	**For Drabkin's Method (18g/dL)**	**5 x 10 ml**
Haemoglobin Standard Set	**BXCSTD09**	**For Drabkin's Method (8, 10, 12, 15 & 18g/dL)**	**5 x 1 x 10ml**
Iron	**BXCSTD10**	**35.8 µmol/l (0.2 mg/dL)**	**10 x 5ml**
Iron	**BXCSTD11**	**107.4 µmol/l (0.6 mg/dL)**	**10 x 5ml**
Lactate	**BXCSTD12**	**4.44mmol/l (40mg/dL)**	**10 x 5ml**

Magnesium	BXCSTD13	Referenced against NIST 909b (1.0 mmol/l2.43mg/dL)	10 x 5ml
Phosphorus	BXCSTD14	1.61 mmol/l (5 mg/dL)	10 x 5ml
Potassium	BXCSTD15	Referenced against NIST 909b (0.5 mmol/l)	10 x 5ml
Potassium	BXCSTD16	Referenced against NIST 909b (5 mmol/l)	10 x 5ml
Pyruvate	BXCSTD17	2 mmol/l	10 x 5ml
Sodium	BXCSTD18	Referenced against NIST 909b (150.0 mmol/l150 mEq/l)	10 x 5ml
Total Protein	BXCSTD19	Referenced against NIST 927d (60g/l (6.0 g/dL)	10 x 5ml
Triglycerides	BXCSTD20	Referenced against NIST 909b (2.28 mmol/l200mg/dL)	10 x 5ml
Urea	BXCSTD21	Referenced against NIST 909b (8.33 mmol/l50mg/dL)	10 x 5ml
Uric Acid	BXCSTD22	Referenced against NIST 909b (595 µmol/l10mg/dL)	10 x 5ml
Urinary/CSF Protein Standard	BXCSTD23	Referenced against NIST 927d (1g/l)	10 x 5ml

FORTRESS® DIAGNOSTICS

BLOOD GROUPING

Blood grouping reagents are used for the identification of blood types to ensure total transfusional compatibility between receivers and donors.
There are 43 blood group systems containing 345 antigens recognised by the International Society of Blood Transfusion however the most important blood groups in transfusion are the ABO blood group system and the RH blood group system.

Fortress Diagnostics offers both traditional methods and new techniques to identify the major and rare blood grouping types. The high-quality blood grouping reagents and gel cards are accurate, easy to use, competitively priced, and conveniently offered in different sizes in order to meet the needs of our distributors, blood banks, clinics, hospital laboratories and transfusion centres across the world.

AHG (Coomb's)	**BGAG0010**	**Anti Human Globulin. A blend of rabbit Anti-Human IgG and Monoclonal Anti-Human c3d**	**1x10ml**
AHG (Coomb's)	**BGAG001L**	**Anti Human Globulin. A blend of rabbit Anti-Human IgG and Monoclonal Anti-Human c3d**	**1000ml**
AHG (Coomb's)	**BGAG1010**	**Anti Human Globulin. A blend of rabbit Anti-Human IgG and Monoclonal Anti-Human c3d**	**10x10ml**
AHG (Coomb's)	**BGAG2210**	**Anti Human Globulin. A blend of rabbit Anti-Human IgG and Monoclonal Anti-Human c3d**	**221x10ml**

The Fortress Anti-Human Globulin (AHG) reagent is a blend of rabbit Anti-Human IgG and Monoclonal Anti-Human c3d and is available in various sizes.

Anti-c	**BGLC0005**	**Monoclonal**	**1 x 5ml**
Anti-C	**BGBC0005**	**Monoclonal**	**1 x 5ml**

The Fortress Diagnostics monoclonal IgM Anti- Rh blood grouping reagent contains human monoclonal antibodies diluted with sodium chloride, bovine albumin and macromolecular potentiators. This reagent is supplied ready for use and does not require any further dilution or addition.

Anti-CDE	**BGCDE010**	**Polyclonal**	**1 x 10ml**

The Fortress Diagnostics Anti-C reagent is for the in vitro detection and identification of the human C blood group antigen by direct agglutination.

Anti-Cw	**BGCW0002**	**Polyclonal**	**1 x 2ml**

The Fortress Diagnostics Anti-Cw blood grouping reagent contains human monoclonal IgM antibody, diluted in a phosphate buffer containing sodium chloride, bovine albumin and a preservative. This reagent is supplied ready for use and does not require any further dilution or addition.

Anti-e	**BGLE0005**	**Monoclonal**	**1 x 5ml**
Anti-E	**BGBE0005**	**Monoclonal**	**1 x 5ml**

The Fortress Diagnostics Anti-E reagent is for the in vitro detection and identification of the human E blood group antigen by direct agglutination.

Anti-H	**BGBH0002**	**Lectin**	**1 x 2ml**

The Fortress Diagnostics Anti-H blood grouping reagent is prepared from a Ulex Europaeus seed extract, diluted with a sodium chloride solution containing bovine albumin. This reagent is supplied ready for use and does not require any further dilution or addition.

Anti-Lea	**BGLEA002**	**Monoclonal**	**1 x 2ml**
Anti-Leb	**BGLEB002**	**Monoclonal**	**1 x 2ml**

Fortress Diagnostics manufacture Anti LEa and Anti-LEb blood grouping reagents for the in vitro detection and identification of the human LEa and LEb blood group antigens by direct agglutination.

Anti-Lua	**BGLUA002**	**Polyclonal**	**1 x 2ml**
Anti-Lub	**BGLUB002**	**Polyclonal**	**1 x 2ml**

The Fortress Diagnostics Anti-Lua and Anti-Lub kits are Polyclonal Blood Grouping Reagent available in 1 x 2ml kits.

Anti-M	**BGM00002**	**Polyclonal**	**1 x 2ml**

The Fortress Diagnostics Anti- M blood grouping reagent contains a murine monoclonal IgG antibody diluted in buffer containing sodium chloride, bovine albumin and a preservative. This reagent is supplied ready for use and does not require any further dilution or addition.

Anti-N	**BGN00002**	**Monoclonal**	**1 x 2ml**

The Fortress Diagnostics Anti-N Lectin blood grouping reagent is prepared from an extract of Vicia unijugaleaves, diluted with a sodium chloride solution containing bovine albumin. This reagent is supplied ready for use and does not require any further dilution or addition.

Anti-P1	**BGP10002**	**Monoclonal**	**1 x 2ml**

The Fortress Diagnostics Anti-P1 blood grouping reagent contains mouse monoclonal IgM antibodies prepared from the cell line, Clone 650, diluted in a solution containing sodium chloride and bovine albumin. This reagent is supplied ready for use and does not require any further dilution or addition.

Anti-S	**BGBS0002**	**Monoclonal**	**1 x 2ml**
Anti-s	**BGLS0002**	**Monoclonal**	**1 x 2ml**

The Fortress Diagnostics Anti-S and Anti-s reagents consist of human monoclonal IgG antibodies diluted in phosphate buffer containing sodium chloride and bovine albumin. The reagent requires no further dilution or addition for recommended techniques.

Low Ionic Strength Solution	**BGLS001L**	**Ready to Use Low Ionic Strength Solution**	**1000ml**
Low Ionic Strength Solution	**BGLS1010**	**Ready to Use Low Ionic Strength Solution**	**10x10ml**
Low Ionic Strength Solution	**BGLS2210**	**Ready to Use Low Ionic Strength Solution**	**221x10ml**
Low Ionic Strength Solution	**BGLSS010**	**Ready to Use Low Ionic Strength Solution**	**1 x 10ml**

The Fortress Diagnostics L.I.S.S. Ready for Use is a low ionic strength solution which is iso-osmotic with human red blood cells. The solution contains glycine, phosphate buffer and 0.03M sodium chloride.

Serological Albumin 22%	**BG22001L**	**Caprylate Free. Free from stabilisers and non-specific agglutinins**	**1000ml**
Serological Albumin 22%	**BG221010**	**Caprylate Free. Free from stabilisers and non-specific agglutinins**	**10x10ml**
Serological Albumin 22%	**BGAL2210**	**Caprylate Free. Free from stabilisers and non-specific agglutinins**	**1 x 10ml**
Serological Albumin 30%	**BG30001L**	**Caprylate Free. Free from stabilizers and non-specific agglutinins**	**1000ml**
Serological Albumin 30%	**BG301010**	**Caprylate Free. Free from stabilisers and non-specific agglutinins**	**10x10ml**
Serological Albumin 30%	**BGAL3010**	**Caprylate Free. Free from stabilisers and non-specific agglutinins**	**1 x 10ml**

The Fortress Diagnostics Serological Albumin 22% and 30% are prepared from bovine serum albumin and buffered saline. No artificial avidity enhancers or high molecular weight agglutination potentiators are added to the serological albumin solution. This reagent is supplied ready for use and does not require any further dilution or addition.

FORTRESS® DIAGNOSTICS

HAEMATOLOGY REAGENTS

Haematology involves the study, diagnosis and treatment of blood and bone marrow disorders. Fortress Diagnostics has developed a range of haematology reagents, controls and calibrators for use in detecting blood related disorders.

CELLDIFF+ CLEAN	**HAEM042A**	**1 Litre**
CELLDIFF+ CLEAN	**HAEM042B**	**5 Litres**
CELLDIFF+ DILUENT	**HAEM034A**	**20 Litres**
CELLDIFF+ ENHANCED CLEANER	**HAEM033A**	**100 mls. Daily & weekly Maintenance Solution**
CELLDIFF+ LYSE	**HAEM043A**	**1 Litre**
CELLDIFF-3+ Reagent Starter Pack	**FORTSP01**	**5 Litres Diluent; 1 Litre Cleaner; 100mls Lyse.**

Fortress Celldiff + products available include Celldiff +Clean, Celldiff + Enhanced Cleaner, Celldiff + Lyse and Celldiff -3+ Reagent Starter Pack.

Haematology Triple Pack Box	**HAEM1000**	**20 Litres Diluent; 1 Litre Lyse; 5 Litres Cleaner**

The Fortress Haematology Triple Pack Box contains diluent, clean and lyse reagent for 1000 tests on the Fortress CELLDIFF-3+ haematology analyser.

Proteolyse	**HAEM035A**	**50mls**

The Fortress CELLDIFF Proteolyse kit is intended for use as an enhanced cleaning solution for clot removal and aperture cleaning in the CELLDIFF fluid path.

FORTRESS® DIAGNOSTICS

HAEMOSTASIS COAGULATION REAGENTS

Haemostasis is the natural process in which blood flow slows and a clot forms to prevent blood loss when an injury occurs, with haemo meaning blood, and stasis meaning stopping. During haemostasis, blood changes from a fluid liquid to a gelatinous state.

Fortress Diagnostics manufactures, develops and supplies an extensive range of high quality haemostasis coagulation reagents.

WHY CHOOSE FORTRESS HAEMOSTASIS COAGULATION REAGENTS?

- Compatible with market leading analysers
- Controls available (see our QC and calibrators section)
- Flexibility: Lyophilised and liquid formats available, as well as a variety of kit sizes, to suit different laboratory sizes and needs
- Excellent stability, to ensure cost-effectiveness

APTT Reagent	**COAG103A**	**Liquid Stable**	**1 x 3ml**
APTT Reagent	**COAG103B**	**Liquid Stable**	**5 x 3ml**
APTT Reagent	**COAG103C**	**Liquid Stable**	**1 x 10ml**
APTT Reagent with Calcium Chloride	**COAG110A**	**Liquid Stable**	**6 x 3ml; 2 x 10ml**

The activated partial thromboplastin time (APTT) is used as a general screening test for the detection of coagulation abnormalities in the intrinsic pathway. The APTT is sensitive to deficiencies or abnormalities of factors VIII, IX, XI, XII, X and II, prekallikrein, high molecular weight kininogen (HMWK), and fibrinogen. APTT is also sensitive to inhibitors of blood coagulation such as lupus inhibitor and fibrin/fibrinogen degradation products. The APTT is the most widely used method for monitoring intravenous heparin anticoagulation therapy.
The Fortress Diagnostics APTT reagent is an in vitro diagnostic assay intended for use in determining activated partial thromboplastin time (APTT) and coagulation factor assays that are based on a modified APTT.

Calcium Chloride (0.02M)	**COAG104A**	**Ready To Use for APTT**	**1 x 10ml**
Calcium Chloride (0.02M)	**COAG104B**	**Ready To Use for APTT**	**5 x 10ml**

The Fortress Diagnostics APTT reagent is an in vitro diagnostic assay intended for use in determining activated partial thromboplastin time (APTT) and coagulation factor assays that are based on a modified APTT.

D-Dimer Latex	**COAG115C**	**D-Dimer Latex Assay**	**25T**
D-Dimer Latex	**COAG115D**	**D-Dimer Latex Assay**	**50T**
D-Dimer Latex	**COAG115E**	**D-Dimer Latex Assay**	**100T**

D-Dimer Latex Test is intended for the rapid qualitative or semi-quantitative evaluation of circulating derivatives of cross-linked fibrin degradation products (XL-FDP) in human plasma.

FACTOR II ASSAY KIT	**COAG129A**	**5 x 1ml; 1 x 60ml**
FACTOR IX ASSAY KIT	**COAG127A**	**5 x 1ml; 1 x 60ml**
FACTOR V ASSAY KIT	**COAG128A**	**5 x 1ml; 1 x 60ml**
FACTOR VII ASSAY KIT	**COAG124A**	**5 x 1ml; 1 x 60ml**
FACTOR VIII ASSAY KIT	**COAG122A**	**5 x 1ml; 1 x 60ml**
FACTOR X ASSAY KIT	**COAG123A**	**5 x 1ml; 1 x 60ml**
FACTOR XI ASSAY KIT	**COAG133A**	**5 x 1ml; 1 x 60ml**
FACTOR XII ASSAY KIT	**COAG126A**	**5 x 1ml; 1 x 60ml**

The Fortress Diagnostics Factor Deficient Substrate Plasma Assays are intended for the quantitative determination of the respective factor in patients suspected of having a congenital or acquired deficiency of this coagulation protein.

Fibrinogen Degradation Products (FDP)	**COAG114A**	**Latex Assay**	**60 tests**

The Fortress Diagnostics Fibrinogen reagent is an in vitro diagnostic assay intended for quantitative determination of fibrinogen in plasma.

Fibrinogen Liquid Stable	**COAG116A**	**Quantitative Estimation of Fibrinogen**	**1 x 10ml Buffer; 1 x 2ml Bovine Thrombin; 1 x 1ml Calibrator**
Fibrinogen Liquid Stable	**COAG116B**	**Quantitative Estimation of Fibrinogen**	**1 x 20ml Buffer; 2 x 2ml Bovine Thrombin; 1 x 1ml Calibrator**
Fibrinogen Lyophilised	**COAG105A**	**Quantitative Estimation of Fibrinogen**	**20 tests**
Fibrinogen Lyophilised	**COAG105B**	**Quantitative Estimation of Fibrinogen**	**60 tests**
Fibrinogen Lyophilised	**COAG105C**	**Quantitative Estimation of Fibrinogen**	**100 tests**

The Fortress Diagnostics Fibrinogen assays are intended for use in the determination of fibrinogen in plasma.

HAEMOSTASIS CONTROL NORMAL	**COAG131A**	**Including Factor Assays**	**1 ml**
HAEMOSTASIS CONTROL PATHOLOGICAL	**COAG132A**	**Including Factor Assays**	**1 ml**

The Fortress Diagnostics Haemostasis Control is intended for use as a quality control plasma to monitor the precision of laboratory testing procedures for the analytes listed in this package insert.

Kaolin Clotting Time	**COAG121A**	**For the Determination of Kaolin Clotting Time**	**R1: 1 x 2ml R2: 1 x 2ml**

The Fortress Diagnostics Kaolin Clotting Time reagent for the detection of Lupus anticoagulants.

Plasma Control Level II	**COAG109B**	**For Coagulation Series only**	**5 x 1ml**

The Fortress Diagnostics Plasma Control Level 2 is intended for checking Precision and Accuracy for Coagulation assays PT, APTT and Fibrinogen.

Protein C	**COAG118A**	**Quantitative Determination of Protein C in Human Plasma**	**40 TESTS**
Protein S	**COAG119A**	**Quantitative Determination of Protein S in Human Plasma**	**40 TESTS**

The Fortress Diagnostics Protein C and S assays are intended for the determination of Protein C/S activity in human plasma.

PT High Sensitivity	**COAG101A**	**Liquid Stable, ISI ~1.15**	**5 x 1ml**
PT High Sensitivity	**COAG101B**	**Liquid Stable, ISI ~1.15**	**5 x 5ml**
PT High Sensitivity	**COAG101C**	**Liquid Stable, ISI ~1.15**	**10 x 5ml**
PT High Sensitivity	**COAG101D**	**Liquid Stable, ISI ~1.15**	**6 x 8ml**
PT High Sensitivity	**COAG101E**	**Liquid Stable, ISI ~1.15**	**6 x 5ml**
PT High Sensitivity	**COAG101F**	**Liquid Stable, ISI ~1.15**	**20 x 5ml**
PT High Sensitivity	**COAG101G**	**Liquid Stable, ISI ~1.15**	**20 x 8ml**
PT Low Sensitivity	**COAG102A**	**Liquid Stable, ISI ~1.5**	**1 x 5ml**
PT Low Sensitivity	**COAG102B**	**Liquid Stable, ISI ~1.5**	**5 x 5ml**
PT Low Sensitivity	**COAG117A**	**Liquid Stable, ISI ~1.8**	**1 x 5ml**
PT Low Sensitivity	**COAG117B**	**Liquid Stable, ISI ~1.8**	**5 x 5ml**

The Fortress Diagnostics PT reagent is an in vitro diagnostic assay intended for use in performing the one stage prothrombin time (PT) test and assays which are based on a modified prothrombin time.

Thrombin Time Reagent	**COAG107A**	**For Qualitative estimation of Fibrinogen**	**5 x 1ml**

The Fortress Diagnostics Thrombin Time (Bovine) is an in vitro diagnostic assay intended for qualitative determination of fibrinogen in plasma.

FORTRESS® DIAGNOSTICS

LATEX SEROLOGY

Latex agglutination testing, also called latex serology, is widely used as a laboratory method to identify certain antibodies and antigens. The test uses a variety of sample types including blood, urine, saliva and cerebrospinal fluid, depending on what type of sample is needed. Fortress Diagnostics manufactures, develops and supplies an extensive range of high-quality latex serology reagents.

ASO	**5ml Latex**	**LXASO005**	**1 x 5ml**
ASO	**1000ml Latex**	**LXASO01L**	**25,000T**
ASO	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXASO025**	**25T**
ASO	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXASO050**	**50T**
ASO	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXASO100**	**100T**
ASO	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXASO150**	**150T**

The Fortress Diagnostics ASO-Latex agglutination is the rapid and simple test for the qualitative and semi-quantitative measurements of antibodies to Anti-Streptolysin-O (ASO) in human serum.
When the latex reagent is mixed with a serum containing ASO, agglutination occurs. In acute streptococcal infection the toxic immunogenic exoenzyme Streptolysin-O (ASO) is produced in response to Streptolsin O antigens liberated by haemolytic streptococci of groups A, C and G.

Infectious Mononucleosis	**LXIM00020**	**20T**

The Fortress Diagnostics Infectious Mononucleosis (IM) test is a rapid slide test for the qualitative detection of heterophile antibodies to IM in human serum. The reagent agglutinates when mixed with serum containing the heterophile antibodies.

CRP	**5ml Latex**	**LXCRP005**	**1 x 5ml**
CRP	**1000ml Latex**	**LXCRP01L**	**25,000T**
CRP	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXCRP025**	**25T**
CRP	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXCRP050**	**50T**
CRP	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXCRP100**	**100T**
CRP	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXCRP150**	**150T**

The Fortress Diagnostics CRP Latex test is a rapid slide agglutination test for the qualitative and semi-quantitative detection of C-Reactive Protein in serum. The reagent containing particles coated with specific anti-human C-Reactive protein antibodies, agglutinates in the presence of CRP in the patient's serum.

hCG White Latex	**1000ml Latex**	**LXHCW01L**	**25,000T**
hCG White Latex	**Sensitivity 200IU/ml - White Latex. Kit contains: Latex reagent, +ve and -ve controls, pipettes/stirrers and test**	**LXHCW025**	**25T**
hCG White Latex	**Sensitivity 200IU/ml - White Latex. Kit contains: Latex reagent, +ve and -ve controls, pipettes/stirrers and test**	**LXHCW050**	**50T**
hCG White Latex	**Sensitivity 200IU/ml - White Latex. Kit contains: Latex reagent, +ve and -ve controls, pipettes/stirrers and test**	**LXHCW100**	**100T**

The Fortress hCG Latex test is a rapid slide agglutination procedure, developed for the direct detection of hCG in urine. The presence or absence of a visible agglutination indicates the presence or absence of hCG in the sample tested.

RF	**5ml Latex**	**LXRF0005**	**1 x 5ml**
RF	**1000ml Latex**	**LXRF001L**	**25,000T**
RF	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXRF0025**	**25T**
RF	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXRF0050**	**50T**
RF	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXRF0100**	**100T**
RF	**Latex Reagent, +ve and -ve Controls, Pipette/Stirrers & Re-usable Test Slide**	**LXRF0150**	**150T**

The Fortress Diagnostics RF-Latex test is a rapid slide agglutination test for the qualitative and semi-quantitative detection of Rheumatoid Factors in serum. Latex suspension coated with human gamma-globulin, agglutinates in the presence of rheumatoid factors in the patient serum.
Rheumatoid factors are antibodies directed against antigenic sites in the Fc fragment of human and animal IgG. Their frequent occurrence in rheumatoid arthritis makes them useful for diagnosis and monitoring of the disease, although RF is also found in a number of rheumatic disorders such as Sjogren's syndrome and Lupus erythematosus (SLE).

FORTRESS® DIAGNOSTICS

QUALITY CONTROLS AND CALIBRATORS

Fortress Diagnostics' quality control range Seraqual is utilised in laboratories across the world for accurate results you can rely on. The Seraqual controls & calibrators are designed and manufactured in-house to the highest quality standards. Kits are supplied with methodology and instrumentation-related comparisons.

WHY CHOOSE FORTRESS DIAGNOSTICS QUALITY CONTROLS?

- Manufactured in-house for full control and traceability.
- Extensive and ever-growing range available.
- Custom quality control service available.
- Highly compatible, designed to mimic human samples with minimal matrix effects being observed.
- Offer a wide parameter range allowing more analyte coverage single control.

ADA CALIBRATOR	**BXC0209A**	**1 x 5ml**
ADA CONTROL LEVEL-1	**BXC0210A**	**1 x 5ml**
ADA CONTROL LEVEL-2	**BXC0211A**	**1 x 5ml**

The Fortress Diagnostics ADA Calibrator is intended to be used with the Fortress ADA Liquid stable kit.
The calibrator is used for standardising Fortress ADA Liquid stable kit

Alcohol, Ammonia, Carbonate Calibrator	**BXC0492A**	**1 x 2ml**
Alcohol, Ammonia, Carbonate Control Level 1	**BXC0493A**	**1 x 2ml**
Alcohol, Ammonia, Carbonate Control Level 2	**BXC0494A**	**1 x 2ml**

The Fortress Diagnostics alcohol/ammonia/carbonate control is intended to be used with Fortress alcohol, ammonia and carbonate kits. The control can be used for assessing accuracy and precision of the assays.

Aldolase Calibrator	**BXC0394A**	**3 x 1ml**
Aldolase Control Normal	**BXC0392A**	**3 x 1ml**
Aldolase Control Elevated	**BXC0393A**	**3 x 1ml**

The Fortress Diagnostics Aldolase Control Level 1 is intended to be used with the Fortress Aldolase Kit.

Alpha-1-Antitrypsin Calibrator	**BXC0711A**	**1 x 2ml**
Alpha-1-Antitrypsin Control L1 & L2	**BXC0712A**	**2 x 1 x 2ml**

The Fortress Diagnostics Alpha-1-Antitrypsin Calibration and Control (levels 1 & 2) are intended for use in the control and calibration of Alpha-1-Antitrypsin assays.

Ammonia Calibrator	**BXC0373A**	**3 x 2ml**
Ammonia Control Low	**BXC0374A**	**3 x 2ml**
Ammonia Control High	**BXC0375A**	**3 x 2ml**

The Fortress Diagnostics Ammonia control (low & high) and calibrator kits are intended for use in assessing the accuracy and precision of Ammonia Liquid stable kits.

Angiotensin Converting Enzyme (ACE) Calibrator	**BXC0177A**	**3 x 1ml**
Angiotensin Converting Enzyme (ACE) Control Level 1	**BXC0178A**	**3 x 1ml**
Angiotensin Converting Enzyme (ACE) Control Level 2	**BXC0179A**	**3 x 1ml**

The Fortress Diagnostics Angiotensin Converting Enzyme (ACE) Calibrator is intended to be used as a calibration material for the ACE assay.

APO A1/B CALIBRATOR SERIES	**BXC0413A**	**1 x 6 x 1ml**

The Fortress Diagnostics Apolipoprotein (APO) A1 & Apolipoprotein B Calibrator is intended for calibrating the Fortress Apolipoprotein A1 and B assays.

ASO (Single Point) Calibrator	**BXC0323A**	**1 x 1ml**
ASO (Single Point) Calibrator	**BXC0323B**	**3 x 1ml**
ASO, CRP, RF CONTROL	**BXC0645A**	**3 x 1ml**

The Fortress Diagnostics ASO, CRP and RF controls are intended for use as an assayed quality control material to monitor the consistency of performance of laboratory test procedures associated with determination and monitoring of the clinical status. The product is human serum-based, liquid stable control, stabilised with preservatives.

Bilirubin Calibrator	**BXC0319A**	**3 x 1ml**
Bilirubin Calibrator, Liquid Stable	**BXC0303A**	**2 x 1ml**
Bilirubin Control, Liquid Stable	**BXC0306A**	**1 x 1ml**
Bilirubin Control, Liquid Stable	**BXC0306B**	**3 x 1ml**
Bilirubin Control, Lyo.	**BXC0318A**	**1 x 1ml**
Bilirubin Control, Lyo.	**BXC0318B**	**5 x 1ml**
Bilirubin Control, Liquid Stable	**BXC0307A**	**1 x 1ml**
Bilirubin Control, Liquid Stable	**BXC0307B**	**3 x 1ml**
Bilirubin Control Set, Liquid Stable	**BXC0304A**	**2 x 1 x 1ml**
Bilirubin Control Set, Paediatric, Liquid Stable	**BXC0305A**	**2 x 1 x 1ml**

The Fortress Diagnostics Bilirubin Liquid Stable control is ready to use and stable up to the expiry date when stored at 2-8°C. Once opened the control is stable for 6 months when stored at 2-8°C and kept in the dark.

Blood Gas & Electrolyte Control Level 1	**BXC0108A**	**1 x 2ml**
Blood Gas & Electrolyte Control Level 1	**BXC0108D**	**10 x 2ml**
Blood Gas & Electrolyte Control Level 2	**BXC0108B**	**1 x 2ml**
Blood Gas & Electrolyte Control Level 2	**BXC0108E**	**10 x 2ml**
Blood Gas & Electrolyte Control Level 3	**BXC0108C**	**1 x 2ml**
Blood Gas & Electrolyte Control Level 3	**BXC0108F**	**10 x 2ml**

The Fortress Diagnostics Blood Gas and Electrolyte controls are intended for use in the precision and accuracy assessment of Blood Gas, Electrolyte and Metabolite assays.

Cardiac Control Set	**BXC0455C**	**2 x 1 x 2ml**
Cardiac Control Set	**BXC0456C**	**2 x 1 x 1ml**
Cardiac Control-Level-I	**BXC0455A**	**5 x 2ml**
Cardiac Control-Level-I	**BXC0456A**	**5 x 1ml**
Cardiac Control-Level-II	**BXC0455B**	**5 x 2ml**
Cardiac Control-Level-II	**BXC0456B**	**5 x 1ml**

Cardiac quality controls are used to make sure that diagnostic tests for cardiac assessment, as well as analytical systems, are performing properly. Cardiac markers with Fortress Diagnostics kits include CK, CKMB, Tni,TnT, hsCRP, digitoxin, Homocysteine, BPB, NT-ProBNP.

Calibration Serum	**BXC0321K**	**1 x 3ml**
Calibration Serum	**BXC0321L**	**5 x 3ml**
Calibration Serum	**BXC0321M**	**10 x 3ml**

The Fortress Diagnostics Blood Gas and Electrolyte controls are intended for use in the precision and accuracy assessment of Blood Gas, Electrolyte and Metabolite assays.

Citrate (Urinary) Calibrator (200mg/L)	**BXC0136A**	**2 x 1ml**
Citrate (Urinary) Control L1 (50mg/L)	**BXC0137A**	**2 x 1ml**
Citrate (Urinary) Control L2 (600mg/L)	**BXC0139A**	**2 x 1ml**

The Fortress Diagnostics Citrate Control is intended for use in assessing the precision and accuracy of the Citrate Liquid stable assay.

CK / CKMB Calibrator	**BXC0454A**	**1 x 2ml**
CK / CKMB Calibrator	**BXC0454B**	**5 x 2ml**
CK / CKMB Control Level-1	**BXC0453A**	**1 x 2ml**
CK / CKMB Control Level-1	**BXC0453B**	**5 x 2ml**
CK / CKMB Control Level-2	**BXC0459A**	**1 x 2ml**
CK / CKMB Control Level-2	**BXC0459B**	**5 x 2ml**

The Fortress Diagnostics CK-CKMB Controls and Calibrators are intended for checking accuracy and precision of CK MB and CK NAC on automated and semi-automated analysers. All expected values are provided for guidance only until each laboratory establishes its own values and SD for its methods.

CO2 (Bicarbonate) Calibrator	**BXC0155A**	**3 x 2ml**
CO2 (Bicarbonate) Control Low	**BXC0156A**	**3 x 2ml**
CO2 (Bicarbonate) Control High	**BXC0157A**	**3 x 2ml**

The Fortress Diagnostics CO2 Bicarbonate Control High is intended for checking the accuracy and the precision of the Bicarbonate Kit.

CSF Control Level I	**BXC0673A**	**1 x 1ml**
CSF Control Level II	**BXC0673B**	**1 x 1ml**

The Fortress Diagnostics CSF Control Level 1 & Level 2 kits are intended for checking accuracy and precision of laboratory methods for: Chloride, Glucose, Lactate, Microalbumin, Sodium, Urinary Protein, IGG

CRP (Multi Point) Calibrator	**BXC0324B**	**1 x 6 x 1ml**
CRP (Single Point) Calibrator	**BXC0324A**	**3 x 1ml**
CRP (ULTRA SENSITIVE) Low Control	**BXC0325A**	**3 x 1ml**
CRP (ULTRA SENSITIVE) Standard Set	**BXC0327A**	**5 x 1 x 0.5ml**
CRP Control Level 1	**BXC0326A**	**5 x 1ml**
CRP Control Level 2	**BXC0326B**	**5 x 1ml**

The Fortress Diagnostics CRP control kits are intended for use as an assayed quality control material to monitor the consistency of performance of laboratory test procedures associated with determination and monitoring of the clinical status. The product is human serum based, liquid stable control, stabilised with preservatives.

Cyanmethaemoglobin Standard Set (8,10,12,15,18 g/dL)	**BXC0483A**	**5 x 1 x 10ml**

The Fortress Diagnostics Cyanmethaemoglobin Standard Set is intended for use in assessing the precision and accuracy of Cyanmethaemoglobin assays.

Cystatin C Calibrator Set Level 1 - 6	**BXC0334A**	**6 x 1ml**
Cystatin C Control Level 1	**BXC0333A**	**2 x 1ml**
Cystatin C Control Level 2	**BXC0333B**	**2 x 1ml**

The Fortress Diagnostics Cystatin C control and calibrator sets are intended for use with the Fortress Latex Enhanced Cystatin C Assay.

D3-Hydroxybutyrate Control, Level 1	**BXC0543A**	**6 x 1ml**
D3-Hydroxybutyrate Control, Level 2	**BXC0543B**	**2 x 1ml**

The Fortress Diagnostics D3HBD Control is intended to be used in assessing the accuracy and precision of D3 Hydroxybutyrate assays.

D-DIMER Immunoturbidimetric Calibrator Set (L1-L5)	**BXC0788A**	**5 x 1ml**
D-DIMER Immunoturbidimetric Control Set (L1,L2)	**BXC0789A**	**2 x 1ml**

The Fortress Diagnostics D-Dimer Calibrator is intended for use in the calibration of the Fortress D-Dimer Assay.

Drugs of Abuse Control Level 1	**BXC0784A**	**10 x 10ml**
Drugs of Abuse Control Level 2	**BXC0785A**	**10 x 10ml**
Drugs of Abuse Control Level 3	**BXC0786A**	**10 x 10ml**

The Fortress Diagnostics Drugs of Abuse control is intended for use as an in vitro diagnostic tool to monitor the performance and precision of laboratory urine toxicology screening procedures.

Electrolytes Calibrator	**BXC0140A**	**5 x 5ml**
Electrolytes Control Low (Na, K, Cl)	**BXC0143A**	**5 x 5ml**
Electrolytes Control Normal (Na, K, Cl)	**BXC0144A**	**5 x 5ml**
Electrolytes Control High (Na, K, Cl)	**BXC0145A**	**5 x 5ml**

The Fortress Diagnostics Electrolyte Control Level 1-3 (low, normal & high) kits are intended for use on ISE systems for accuracy and precision checks.

ESR Control Level 1	**BXC0631A**	**2 x 10ml**
ESR Control Level 2	**BXC0632A**	**2 x 10ml**

The Fortress Diagnostics Erythrocyte Sedimentation Rate (ESR) Control kits are intended for use as a quality control tool to measure the precision of ESR laboratory testing procedures.

FERRITIN CONTROL LEVEL-1	**BXC0443A**	**1 x 1ml**
FERRITIN CONTROL LEVEL-2	**BXC0444A**	**1 x 1ml**

The Fortress Diagnostics Ferritin Control (Levels 1 & 2) and calibration kits are intended for use as an assayed quality control material to monitor the performance consistency of Ferritin assays. The controls are human serum based, liquid stable control and stabilised with preservatives.

Fructosamine Calibrator	**BXC0592A**	**1 x 1ml**
Fructosamine Control Low	**BXC0593A**	**3 x 1ml**
Fructosamine Control High	**BXC0594A**	**3 x 1ml**

The Fortress Diagnostics Fructosamine controls (levels 1 & 2) are intended for use as a Quality Control method for assessing the precision and accuracy of Fructosamine Assays.

G-6-PDH Control Deficient	**BXC0572A**	**3 x 0.5ml**
G-6-PDH Control Normal	**BXC0573A**	**3 x 0.5ml**

The Fortress Diagnostics G-6-PDH control (deficient & normal) kits are intended for use as an accuracy and precision control for G-6-PDH testing.

Glutathione Peroxidase Control	**BXC0556A**	**5 x 1ml**
Glutathione Reductase Control	**BXC0460A**	**5 x 1ml**

The Fortress Diagnostics Glutathione control (Peroxidase & Reductase) controls are intended for use in the analysis of precision and accuracy of the Fortress Glutathione Peroxidase kit.

Glycerol Control	**BXC0278A**	**2 x 5ml**

The Fortress Diagnostics Glycerol Control kit is intended for use in assessing the precision and accuracy of glycerol assays.

HAEMATOLOGY CALIBRATOR (for 3-part Differential Analysers)	**HAEMC005**	**3 x 3ml**
HAEMATOLOGY CONTROL LOW	**HAEMC001**	**3 x 3ml**
HAEMATOLOGY CONTROL NORMAL	**HAEMC002**	**3 x 3ml**
HAEMATOLOGY CONTROL HIGH	**HAEMC003**	**3 x 3ml**
HAEMATOLOGY CONTROL, 3-LEVELS	**HAEMC004**	**3 x 3 x 3ml**
HAEMATOLOGY CONTROL, 3- LEVELS	**HAEMC313**	**3 x 1 x 3ml**
HAEMATOLOGY CONTROL, 3- LEVELS	**HAEMC004**	**3 x 3 x 3ml**

The Fortress Diagnostics Haematology Controls are intended for use in monitoring the accuracy and precision of blood cell counts on Haematology analysers.

HbA1c (Control Set 2 Levels)	**BXC0675A**	**2 x 2 x 0.5ml**
HbA1c Control Low	**BXC0676A**	**2 x 0.5ml**
HbA1c Control High	**BXC0677A**	**2 x 0.5ml**
HbA1c Calibrator Series 2 Levels	**BXC0678A**	**2 x 1 x 0.5ml**
HbA1c (HPLC) Control Low	**BXC0779A**	**2 x 0.5ml**
HbA1c (HPLC) Control High	**BXC0780A**	**2 x 0.5ml**

The Fortress Diagnostics HbA1c Control kits are intended for use as an assayed quality control material to monitor the precision of laboratory testing procedures for multiple analytes. The HbA1c Calibrator kits are intended for the preparation of a standard curve for calibration of HbA1c assays.

hCG Serum Control Positive	**BXC0681A**	**1 x 1ml**
hCG Serum Control Negative	**BXC0682A**	**1 x 1ml**
hCG Serum Control Positive	**BXC0683A**	**1 x 5ml**

The Fortress hCG serum control is intended for use in assessing the precision and accuracy of hCG assays.

HDL/LDL Calibrator	**BXC0315B**	**1 x 3ml**
HDL/LDL Calibrator	**BXC0315C**	**5 x 3ml**
HDL/LDL Calibrator	**BXC0315D**	**5 x 1ml**

The Fortress Diagnostics HDL/LDL calibrator is intended for use with the Fortress HDL and LDL Cholesterol assays.

Homocysteine Calibrator 5 Levels	**BXC0691A**	**5 x 1 x 1ml**
Homocysteine Calibrator 2 Levels	**BXC0691B**	**2 x 1 x 1ml**
Homocysteine Control 2 Levels	**BXC0692A**	**2 x 1 x 1ml**

Fortress Diagnostics have Homocysteine control and calibrator sets available. The Homocysteine Control Set is intended for checking the accuracy and precision of the Homocysteine assay and the Calibrator Set is intended for calibrating the Homocysteine assay.

Human Assayed Control (Normal)	**BXC0312A**	**10 x 5ml**
Human Assayed Control (Elevated)	**BXC0312B**	**10 x 5ml**
Human Assayed Control (Normal)	**BXC0312C**	**5 x 5ml**
Human Assayed Control (Elevated)	**BXC0312D**	**5 x 5ml**
Human Assayed Control (Normal)	**BXC0312E**	**1 x 5ml**
Human Assayed Control (Elevated)	**BXC0312F**	**1 x 5ml**

The Fortress Diagnostics Human Assayed Controls are lyophilised human serum based controls, intended for laboratory use. These are used to monitor the precision and accuracy of substrates, electrolytes and enzymes testing procedures.

Human Precision Control (Normal)	**BXC0314A**	**10 x 5ml**
Human Precision Control (Elevated)	**BXC0314B**	**10 x 5ml**
Human Precision Control (Normal)	**BXC0314C**	**5 x 5ml**
Human Precision Control (Elevated)	**BXC0314D**	**5 x 5ml**
Human Precision Control (Normal)	**BXC0314E**	**1 x 5ml**
Human Precision Control (Elevated)	**BXC0314F**	**1 x 5ml**

The Fortress Diagnostics human precision controls are lyophilised human serum based, intended for use in the laboratory as precision controls. These are ideal tools for testing reproducibility.

Immunoassay Control Level I	**BXC0363A**	**4 x 3ml**
Immunoassay Control Level II	**BXC0363B**	**4 x 3ml**
Immunoassay Control Level III	**BXC0363C**	**4 x 3ml**
Immunoassay Tri-Level Control	**BXC0363D**	**3 x 4 x 3ml**

The Fortress Diagnostics Immunoassay controls are intended for use as an assayed quality control material to monitor the consistency of laboratory performance test procedures associated with determination and monitoring of clinical status. The controls are human based, lyophilized controls and can be used with RIA, EIA, ELISA or FIA methods.

Lipase Calibrator	**BXC0510A**	**3 x 1ml**

The Fortress Diagnostics Lipase Calibrator is intended for use as a calibrator for Fortress Lipase assays.

Lipid Calibrator	**BXC0317A**	**3 x 1ml**
Lipid Control Elevated	**BXC0316A**	**3 x 1ml**
Lipid Control Normal	**BXC0330A**	**3 x 1ml**

Fortress Diagnostics have 2 Lipid controls and a Lipid calibrator available in lyophilized format. The parameters covered by control 1 include: Normal, Cholesterol, Triglycerides, APO A1, APO B, HDL, LDL. The parameters covered by control 2 include: Elevated, Cholesterol, Triglycerides, APO A1, APO B, HDL, LDL. The parameters covered by this calibrator include: Cholesterol, Triglycerides, APO A1, APO B, HDL, LDL.

Lipoprotein (a) Calibrator High	**BXC0134A**	**1 x 1ml**
Lipoprotein (a) Control Low	**BXC0131A**	**1 x 1ml**
Lipoprotein (a) Control High	**BXC0133A**	**1 x 1ml**

The Fortress Diagnostics Lipoprotein calibrator and control kits are intended for use with the Fortress Lipoprotein assay.

Lithium Calibrator (3000 mmol/L)	**BXC0106A**	**2 x 1ml**

The Fortress Diagnostics Lithium calibrator is intended for use in the calibration of Lithium assays.

Microalbumin Calibrator Series	**BXC0329A**	**5 x 1ml**
Microalbumin Control	**BXC0328A**	**2 x 1ml**
Microalbumin Control	**BXC0328B**	**5 x 1ml**

Fortress Diagnostics have Microalbumin calibrator and control kits available. The calibrator Liquid Stable is for the calibration of quantitative immunoturbidimetric assays for Microalbumin (Albumin in Urine) and the control kits is intended for monitoring the performance of quantitative immunoturbidimetric assays for microalbumin (albumin in urine). Multiple levels of control are available to allow monitoring of the test system's reliability.

NTProBNP Calibrator	**BXC0335A**	**1 x 1ml**
NTProBNP Control Set Level 1 - 6	**BXC0336A**	**1 x 6 x 1ml**

The Fortress Diagnostics NTProBNP calibrator and control series is designed for use in assessing the precision and accuracy of NTProBNP assays.

Oxalate (Urinary) Calibrator 0.5 mmol/L	**BXC0147A**	**1 x 5ml**
Oxalate (Urinary) Control L1 (0.2mmol/L)	**BXC0148A**	**1 x 5ml**
Oxalate (Urinary) Control L2 (0.7mmol/L)	**BXC0149A**	**1 x 5ml**

The Fortress Diagnostic calibrator and control sets are intended for use in assessing the accuracy and precision of Oxalate (Urinary) assays.

Paediatric Control	**BXC0807A**	**3 x 1ml**

The Fortress Diagnostics Paediatric control is intended for use as an assayed quality control serum to monitor the precision of multiple analytes including; Bilirubin, Calcium, Chloride, Glucose, Magnesium, Potassium, Sodium and Phosphorous Inorganic.

PAPP-A & fβhCG Controls Level 1	**BXC0337A**	**1 x 0.5ml**
PAPP-A & fβhCG Controls Level 2	**BXC0338A**	**1 x 0.5ml**
PAPP-A & fβhCG Controls Level 3	**BXC0339A**	**1 x 0.5ml**
PAPP-A Control	**BXC0240A**	**1 x 0.5ml**

Pregnancy associated plasma protein A (PAPPA) is another metalloproteinase, originally discovered as a glycoprotein in pregnant women, produced by the syncytiotrophoblasts of the placenta. The Fortress Diagnostics PAPP-A control levels are intended for use in assessing the precision and accuracy of PAPP-A assays.

Plasma Calibrator	**COAG125A**	**5 x 1ml**
Plasma Control Level I	**COAG108A**	**1 x 1ml**
Plasma Control Level I	**COAG108B**	**5 x 1ml**
Plasma Control Level I & II	**COAG112A**	**2 x 5 x 1ml**
Plasma Control Level II	**COAG109A**	**1 x 1ml**
Plasma Control Level II	**COAG109B**	**5 x 1ml**

The Fortress Diagnostics Plasma control level kits are intended for assessing the precision and accuracy in Coagulation Assays, PT, APTT and Fibrinogen.

Protein Control Level 1	**BXC0641A**	**1 x 2ml**
Protein Control Level 2	**BXC0642A**	**1 x 2ml**
Protein Control Set Level 1 and 2	**BXC0643A**	**2 x 1 x 2ml**

The Fortress Diagnostics Protein Controls are intended for use as an assayed quality control material to monitor the consistency of performance of laboratory test procedures associated with determination and monitoring of the clinical status. This product is human serum based, liquid stable control, stabilised with preservatives.

Retinol Binding Protein Control	**BXC0995A**	**1 x 1ml**

Retinol-binding proteins are a family of proteins with diverse functions. They are carrier proteins that bind retinol, the assessment of retinol-binding protein is used to determine visceral protein mass in health-related nutritional studies. The Fortress Diagnostics retinol binding protein control is a liquid stable control available in 1x1ml kit size.

RF (Multi-Point) Calibrator	**BXC0325B**	**3 x 2ml**
RF (Multi-Point) Calibrator	**BXC0612A**	**1 x 2ml**

The Fortress Diagnostics Rheumatoid Factor (RF) Mutlipoint Calibrator is intended for the calibration of the Fortress Diagnostics RF Latex Immunoturbidmetry assay.
The calibrator is made from human serum base and is presented as a ready to use material that is stable when stored at 2-8°C.

Specific Protein Calibrator	**BXC0644A**	**1 x 2ml**
Specific Protein Calibrator Set	**BXC0646A**	**1 x 6 x 1ml**

The Fortress Diagnostics Specific Protein calibrator is intended for use in the preparation of reference curves for the quantitative determination of various proteins in human serum with protein assays. The calibrator set is prepared for human serum.

Superoxide Dismutase Control	**BXC0433A**	**5 x 1ml**

The Fortress Diagnostics Superoxide Dismutase control is intended for determining the accuracy and precision control of the Fortress Superoxide Dismutase Kit.

Syphilis Control Panel	**BXC0806A**	**6 x 1 x 0.5ml**

The Fortress Diagnostics Syphilis control panel is intended for checking the accuracy and precision of syphilis assays.

Thalassaemia (α & ß) Control Level 1	**BXC0665A**	**2 x 0.5ml**
Thalassaemia (α & ß) Control Level 2	**BXC0665B**	**2 x 0.5ml**

The Fortress Diagnostics Thalassaemia control is available for use on all major systems & Methods including HPLC & Immunoassay , HbA2, HbF, HbS

Therapeutic Drug Monitoring Level I	**BXC0781A**	**5 x 5ml**
Therapeutic Drug Monitoring Level II	**BXC0782A**	**5 x 5ml**
Therapeutic Drug Monitoring Level III	**BXC0783A**	**5 x 5ml**

The Fortress Diagnostics Therapeutic Drug Monitoring Control (TDM) kit is intended for use as an assayed quality control serum to monitor the precision of laboratory testing procedures for a range of analytes; for a full list, please contact us directly.

Total Antioxidant Status (TAS) Control	**BXC0554A**	**10 x 5ml**

The Fortress Total Antioxidant Status control and calibrator kits (TAS) are intended for assessing the accuracy, precision and calibration of the Fortress Total Antioxidant Status Kit.

Troponin-I Calibrator Set	**BXC0473A**	**6 x 1 x 1ml**
Troponin-I Control Set	**BXC0470A**	**2 x 1 x 1ml**
Troponin-T High Sensitivity Control	**BXC0457A**	**3 x 1ml**

The Fortress Diagnostics Troponin-T High Sensitivity Control is available for use on all major systems.

Urine Assayed Control Level I	**BXC0661A**	**10 x 10ml**
Urine Assayed Control Level II	**BXC0661B**	**10 x 10ml**

The Fortress Diagnostics Urine Assayed Control (levels 1 & 2) kits are intended for in vitro diagnostic use in the quality control of urine on clinical chemistry systems.

Urine Precision Control Level I	**BXC0662A**	**10 x 10ml**
Urine Precision Control Level II	**BXC0662B**	**10 x 10ml**

The Fortress Diagnostics Urine Precision control (levels 1 & 2) kits are intended for in vitro diagnostic use in the quality control of urine on clinical chemistry systems.

Urine Strip Control Level I & II	**BXC0663A**	**2 x 3 x 12ml**
Urine Strip Control Level I	**BXC0663D**	**3 x 12ml**
Urine Strip Control Level II	**BXC0663E**	**3 x 12ml**

The Fortress Diagnostics Urine Strip control (levels 1 & 2) kits are intended for use as a tool to assay the precision of Urine and hCG Strip assays.

VITAMIN-D Calibrator Set	**BXC0475A**	**5 x 1ml**
VITAMIN-D Control Set	**BXC0474A**	**2 x 1ml**

The Fortress Diagnostics Vitamin-D Calibrator and Control kits are intended for use with Vitamin D assays.

Zinc & Copper Calibrator (Lyo.)	**BXC0463A**	**2 x 1ml**

The Fortress Diagnostics Zinc & Copper calibrator is a lyophilized kit intended for use with Zinc & Copper Assays.

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CALIBRATION VERIFICATION/LINEARITY

GENERAL CHEMISTRY

Linearity LQ Ammonia/Ethanol	**K712M-5**	**5 x 2ml**
Analytes: Ammonia, Ethanol		

Linearity FD General Chemistry	**K701M-5**	**10 x 5ml**
Analytes: Albumin, Alkaline Phosphatase, ALT (SGPT), Amylase, AST (SGOT), Bilirubin (Total and Direct), BUN, Calcium, Chloride, Cholesterol, CO2, Creatine Kinase (CK), Creatinine, Gamma-GT, Glucose, HDL Cholesterol, Iron, Lactate, LDH, LDL Cholesterol, Lipase, Magnesium, Osmolality, Phosphorus, Potassium, Sodium, TIBC, Total Protein, Triglycerides, Uric Acid		

Linearity LQ ISE	**K726M-5**	**5 x 5ml**
Analytes: Chloride, Potassium, Sodium		

Linearity FD Lipids	K709M-5	5 x 2ml
Analytes: Apo A, Apo B, Cholesterol, HDL Cholesterol, LDL Cholesterol, Triglycerides		

Linearity FD UIBC	K732M-5	5 x 1ml
Analytes: UIBC		

Linearity FD General Chemistry (for Beckman AU)	K820M-5	10 x 5ml
Analytes: Albumin, Alkaline Phosphatase, ALT (SGPT), Amylase, AST (SGOT), Bilirubin (Total and Direct), BUN, Calcium, Chloride, Cholesterol, CO2, Creatine Kinase (CK), Creatinine, Gamma-GT, Glucose, HDL Cholesterol, Iron, Lactate, LDH, LDL Cholesterol, Lipase, Magnesium, Phosphorus, Potassium, Sodium, Total Protein, Triglycerides, Uric Acid		

Linearity LQ Ammonia/Ethanol (for Roche Systems)	K881M-5	5 x 2ml
Analytes: Ammonia, Ethanol		

Linearity FD Bilirubin (for Roche Systems)	K886M-5	5 x 1ml
Analytes: Bilirubin (Total and Direct)		

Linearity FD Lipids (for Roche Systems)	K882M-5	5 x 2ml
Analytes: Apo A, Apo B, Cholesterol, HDL Cholesterol, LDL Cholesterol, Triglycerides		

Linearity FD General Chemistry (for Roche Systems)	K880M-5	10 x 5ml
Analytes: Albumin, Alkaline Phosphatase, ALT (SGPT), Amylase, AST (SGOT), Bilirubin (Total), BUN, Calcium, Chloride, CO2, Creatine Kinase (CK), Creatinine, Gamma-GT, Glucose, Iron, Lactate, LDH, Lipase, Magnesium, Phosphorus, Potassium, Sodium, Total Protein, Uric Acid		

CARDIAC

Linearity FD BNP (High)	K713M-5	5 x 1ml
Analytes: BNP-32, NT-ProBNP		

Linearity FD BNP (Low)	K708M-5	5 x 1ml
Analytes: BNP-32, NT-ProBNP		

Linearity FD BNP (Extended)	K737M-5	5 x 1ml
Analytes: BNP-32, NT-ProBNP		

Linearity FD Cardiac Markers	K710M-5	5 x 1ml
Analytes: CK-MB, Myoglobin, Troponin I		

Linearity FD D-Dimer	**K717M-5**	**5 x 1ml**
Analytes: D-Dimer		
Linearity LQ Homocysteine	**K704M-5**	**5 x 1ml**
Analytes: Homocysteine		
Linearity LQ hs-CRP	**K705M-5**	**5 x 1ml**
Analytes: hs-CRP		
Linearity FD D-Dimer (PATHFAST)	**K883M-5**	**5 x 1ml**
Analytes: D-Dimer		
Linearity FD BNP (RAMP)	**K888M-5**	**5 x 1ml**
Analytes: NT-ProBNP		
Linearity FD Cardiac (RAMP)	**K887M-5**	**5 x 1ml**
Analytes: CK-MB, Myoglobin, Troponin I		
Linearity FD BNP (Siemens Centaur)	**K803M-5**	**5 x 1ml**
Analytes: BNP-32		
Linearity FD Cardiac Markers (Siemens Centaur)	**K804M-5**	**5 x 1ml**
Analytes: CK-MB, Myoglobin, Troponin I		
Linearity LQ Homocysteine (Siemens Centaur)	**K801M-5**	**5 x 1ml**
Analytes: Homocysteine		
Linearity FD BNP (Siemens Stratus)	**K892M-5**	**5 x 1ml**
Analytes: NT-Pro BNP		
Linearity FD Cardiac (Siemens Stratus)	**K891M-5**	**5 x 1ml**
Analytes: CK-MB, Myoglobin, Troponin I		
Linearity FD D-Dimer (Siemens Stratus)	**K893M-5**	**5 x 1ml**
Analytes: D-Dimer		

IMMUNOASSAY

Linearity LQ ASO	**K721M-5**	**5 x 1ml**
Analytes: ASO		

Linearity FD Immunoassay	**K714M-5**	**10 x 5ml**
Analytes: **Set 1:** Cortisol, Digoxin, Estradiol, Ferritin, Folate, FSH, hCG, LH, Progesterone, Prolactin, Testosterone, Total PSA, Total T3, Total T4, TSH, Vitamin B12 **Set 2:** Free T3, Free T4		

Linearity LQ RF/CRP	**K720M-5**	**5 x 1ml**
Analytes: CRP, RF		

Linearity FD Tumor Markers	**K719M-5**	**10 x 1ml**
Analytes: **Set 1:** AFP, CA 125, CEA, Total PSA, CA 19-9, CA 27/29 **Set 2:** CA 15-3, Free PSA		

Linearity LQ Vitamin D	**K729M-5**	**5 x 2ml**
Analytes: Vitamin D		

Linearity FD Immunoassay (Abbott Architect i Series)	**K831M-5**	**10 x 5ml**
Analytes: **Set 1:** Ferritin, Folate, Free PSA, FSH, LH, Progesterone, Prolactin, Testosterone, Total PSA, Total T3, Total T4, TSH, Vitamin B12 **Set 2:** Free T3, Free T4		

Linearity FD Procalcitonin (bioMérieux VIDAS and miniVIDAS)	**K841M-5**	**5 x 1ml**
Method Val FD Procalcitonin (bioMérieux VIDAS and miniVIDAS)	**K842M-25**	**25 x 1ml**
Analytes: Procalcitonin		

Linearity LQ Vitamin D (Roche Systems)	**K885M-5**	**5 x 2ml**
Analytes: Vitamin D		

Linearity FD Anemia (Siemens Centaur)	**K809M-5**	**5 x 3ml**
Analytes: Cortisol, Ferritin, Folate, Vitamin B12		

Linearity FD Fertility (Siemens Centaur)	**K808M-5**	**10 x 3ml**
Analytes: **Set 1:** Estradiol, FSH, hCG, LH, Progesterone, Prolactin **Set 2:** Testosterone		

Linearity FD Thyroid (Siemens Centaur)	K807M-5	10 x 3ml
Analytes: **Set 1:** Total T3, Total T4, TSH **Set 2:** Free T3, Free T4		

Linearity FD Tumor Markers (Siemens Centaur)	K805M-5	10 x 1ml
Analytes: **Set 1:** AFP, CA 125, CA 19-9, CA 27-29 (BR), CEA, PSA **Set 2:** CA 15-3		

Cal Ver LQ T-Uptake (Tosoh AIA)	K851M-5	5 x 1ml
Analytes: T-Uptake		

IMMUNOLOGY

Linearity LQ Protein	K702M-5	5 x 2ml
Analytes: Alpha-1-Antitrypsin, Complement C3, Complement C4, Immunoglobulin A, Immunoglobulin G, Immunoglobulin M, Total Protein, Transferrin		

DIABETES

Linearity LQ Beta-Hydroxybutyric Acid	K728M-5	5 x 1ml
Analytes: Beta-Hydroxybutyric Acid		

Linearity FD Glycohemoglobin A1c	K703M-5	5 x 0.5ml
Analytes: Glycohemoglobin A1c		

Linearity LQ Special Diabetes	K730M-5	5 x 2ml
Analytes: C-Peptide, Fluctosamine, Insulin		

URINE CHEMISTRY

Linearity LQ Microalbumin/Microprotein	K722M-5	5 x 2ml
Analytes: Microalbumin, Microprotein		

Linearity FD Urine/Fluids Chemistry	K723M-5	10 x 3ml
Analytes: **Set 1:** Osmolality, Phosphorus, Urea Nitrogen, Uric Acid **Set 2:** Amylase, Calcium, Chloride, Creatinine, Glucose, Magnesium, Microalbumin, Microprotein, Potassium, Sodium		

THERAPEUTIC DRUG MONITORING

Linearity FD TDM	**K707M-5**	**5 x 5ml**
Analytes: Acetaminophen, Carbamazepine, Digoxin, Gentamicin, Lithium, Phenobarbital, Phenytoin, Quinidine, Salicylate, Theophylline, Tobramycin, Valproic Acid, Vancomycin		

Linearity FD TDM (Siemens Centaur)	**K802M-5**	**5 x 5ml**
Analytes: Carbamazepine, Digoxin, Gentamicin, Phenobarbital, Phenytoin, Theophylline, Valproic Acid, Vancomycin		

BLOOD GAS

Cal Ver LQ Blood Gas	**K727M-5**	**15 x 2ml**
Analytes: BUN, Chloride, Creatinine, Glucose, Ionised Calcium, Lactate, pCO2, pH, pO2, Potassium, Sodium		

DAILY QUALITY CONTROL

GENERAL CHEMISTRY

Control LQ Ammonia/Ethanol (2 Levels)	**K062M-6**	**6 x 3ml**
Analytes: Ammonia, Ethanol		

Control FD Assayed Chemistry, Level 1	**K0311-10**	**10 x 5ml**
Analytes: Albumin, Alkaline Phosphatase, ALT (SGPT), Amylase, AST (SGOT), Bilirubin (Total and Direct), BUN, Calcium, Chloride, Cholesterol, CO2, Creatine Kinase (CK), Creatinine, Gamma-GT, Glucose, HDL Cholesterol, Iron, Lactate, LDH, LDL Cholesterol, Lipase, Magnesium, Osmolality, Phosphorus, Potassium, Sodium, TIBC, Total Protein, Triglycerides, UIBC, Uric Acid		

Control FD Assayed Chemistry, Level 2	**K0312-10**	**10 x 5ml**
Analytes: Albumin, Alkaline Phosphatase, ALT (SGPT), Amylase, AST (SGOT), Bilirubin (Total and Direct), BUN, Calcium, Chloride, Cholesterol, CO2, Creatine Kinase (CK), Creatinine, Gamma-GT, Glucose, HDL Cholesterol, Iron, Lactate, LDH, LDL Cholesterol, Lipase, Magnesium, Osmolality, Phosphorus, Potassium, Sodium, TIBC, Total Protein, Triglycerides, UIBC, Uric Acid		

CARDIAC

Control FD BNP (2 Levels)	**K023M-6**	**6 x 1ml**
Analytes: BNP-32, NT-ProBNP		

Control FD Cardiac Markers (3 Levels)	**K026M-6**	**6 x 2ml**
Analytes: CK-MB, Myoglobin, Troponin I		

Control FD D-Dimer (3 Levels)	**K072M-6**	**6 x 1ml**
Analytes: D-Dimer		

Control LQ Homocysteine (2 Levels)	**K020M-6**	**6 x 2ml**
Analytes: Homocysteine		

Control LQ hs-CRP (2 Levels)	**K021M-6**	**6 x 2ml**
Analytes: hs-CRP		

IMMUNOASSAY

Control FD Immunoassay (3 Levels)	**K063M-6**	**6 x 3ml**
Analytes: Cortisol, Digoxin, Estradiol, Ferritin, Folate, Free T3, Free T4, FSH, hCG, LH, Progesterone, Prolactin, Testosterone, Total PSA, Total T3, Total T4, TSH, Vitamin B12		

Control FD Procalcitonin (2 Levels)	**K071M-6**	**6 x 2ml**
Analytes: Procalcitonin		

Control LQ RF/CRP (3 Levels)	**K073M-6**	**6 x 2ml**
Analytes: CRP, RF		

Control FD Tumor Markers (2 Levels)	**K070M-6**	**6 x 2ml**
Analytes: AFP, CA125, CA15-3, CEA, Free PSA, Total PSA		

Control LQ Vitamin D (2 Levels)	**K075M-6**	**6 x 2ml**
Analytes: Vitamin D		

IMMUNOLOGY

Control LQ Serum Protein (2 Levels)	**K074M-6**	**6 x 2ml**
Analytes: Albumin, Alpha1-Acid Glycoprotein, Alpha-1-Antitrypsin, Alpha2-Macroglobulin, Antithrombin, Complement C3, Complement C4, Haptoglobin, Immunoglobulin A, Immunoglobulin E, Immunoglobulin G, Immunoglobulin M, Prealbumin, Total Protein, Transferrin		

Control LQ Spinal Fluid (2 Levels)	**K060M-6**	**6 x 3ml**
Analytes: Chloride, Glucose, Immunoglobulin A, Immunoglobulin G, Immunoglobulin M, Lactate, LDH, Microalbumin, Microprotein, Sodium		

DIABETES

Control FD Glycohemoglobin A1c (2 Levels)	**K061M-8**	**8 x 0.5ml**
Analytes: Glycohemoglobin A1c		

Control LQ Glycohemoglobin A1c (2 Levels)	**K067M-8**	**8 x 0.5ml**
Analytes: Glycohemoglobin A1c		

URINE CHEMISTRY

Control FD Urine Chemistry, Level 1	**K0661-10**	**10 x 3ml**
Analytes: **Set 1:** Phosphorus, Urea Nitrogen, Uric Acid **Set 2:** Amylase, Calcium, Chloride, Creatinine, Glucose, Magnesium, Microalbumin, Microprotein, Osmolality, Potassium, Sodium		

Control FD Urine Chemistry, Level 2	**K0662-10**	**10 x 3ml**
Analytes: **Set 1:** Phosphorus, Urea Nitrogen, Uric Acid **Set 2:** Amylase, Calcium, Chloride, Creatinine, Glucose, Magnesium, Microalbumin, Microprotein, Osmolality, Potassium, Sodium		

Control DROP LQ Urine Dipstick (2 Levels)	**K064M-10**	**10 x 5ml**
Control DROP LQ Urine Dipstick (2 Levels)	**K065M-4**	**4 x 25ml**
Analytes: Acetest, Bilirubin, Blood, Clinitest, Glucose, hCG, ketones, Leukocytes, Microalbumin, Nitrite, pH, Protein, Specific Gravity, Urobilinogen		

THERAPEUTIC DRUG MONITORING

Control FD TDM	**K068M-6**	**6 x 5ml**
Analytes: Acetaminophen, Carbamazepine, Digoxin, Gentamicin, Lithium, Phenobarbital, Phenytoin, Quinidine, Theophylline, Tobramycin, Valproic Acid, Vancomycin		

KOVA INTERNATIONAL

QUALITY CONTROLS AND CALIBRATORS

KOVA International is a leading manufacturer of quality controls and consumables for the clinical diagnostic laboratory industry primarily catering to the global urinalysis market. With a US manufacturing base, the KOVA® brand is certified to ISO 13485:2003 and is cGMP qualified. The company's primary focus lies in producing urinalysis controls available in both lyophilised and ready-to-use liquid forms.

KOVA-Trol® and KOVA Liqua-Trol® are intended for use in the clinical laboratory as controls for macroscopic and microscopic examination as well as physiochemical and chemical analysis of urine specimens. KOVA-Trol®, a human urine-based control with simulated leukocytes, is used as a daily control for the physical, chemical and microscopic examination of the urinalysis laboratory. KOVA-Trol® is available in three levels: High Abnormal (Level I), Low Abnormal (Level II), and Normal (Level III). Liqua-Trol is available in two levels, Normal and Abnormal, with or without microscopics.

KOVA LIQUA-TROL®

KOVA Liqua-Trol® is a ready-to-use liquid control with urobilinogen, saving sample preparation time and reducing inconsistencies and errors. The KOVA Liqua-Trol® control uses esterase to mimic a patient sample.

KOVA Liqua-Trol® is available in two levels, Normal and Abnormal, with or without microscopics. The 15 mL size configuration for easy-to-use chemical testing and the 120 mL size, for larger microscopic testing.

Values are assigned for visual and instrument reading on all major systems. With proper storage (2-8°C), Liqua-Trol has a proven shelf-life of up to 27 months from date of manufacture, or 30 days at room temperature.

- Reduces time and eliminates reconstitution errors
- Assures consistency from bottle to bottle
- Available with or without microscopics

KOVA® Liqua-Trol® Level I (Abnormal) and Level II (Normal w/ HCG)	**87112E**	**Urine**	**4 x 25ml**
KOVA Liqua-Trol® Level II (Normal) w/ hCG and microscopics	**87122E**	**Urine**	**2 x 120ml**
KOVA Liqua-Trol® Level II (Normal) w/ hCG and microscopics	**87123E**	**Urine**	**4 x 120ml**
KOVA® Liqua-Trol® Level I (Abnormal) w/ Microscopics	**87176E**	**Urine**	**2 x 120ml**
KOVA® Liqua-Trol® Level I (Abnormal) w/ Microscopics	**87177E**	**Urine**	**4 x 120ml**

KOVA-TROL®

The KOVA-Trol® line of lyophilised, human, urine-based controls provides complete quality control for the physical, chemical and microscopic examination of urine specimens. KOVA-Trol® is available in three levels to monitor the entire decision range: High Abnormal (with or without urobilinogen), Low Abnormal and Normal. Values are assigned for visual and instrument reading on all major systems. KOVA-Trol® provides you with the maximum quality control information for urinalysis testing.

- Stable human urine control (freeze-dried) for complete quality control of physical-chemical and microscopic examination of urine specimens
- Available in three levels to monitor the entire decision ranges for reagent strip chemistries
- Red and white cells included for QC of microscopic analysis
- hCG positive in KOVA-Trol® Level III (Normal)
- KOVA-Trol® Level II (Low Abnormal) and KOVA-Trol® III (Normal) have microalbumin and creatinine value assigments

STABILITY

- Store at 2 – 8 °C, protect from light
- Unreconstituted shelf life is 27 months from date of manufacture
- All constituents are stable from day 1 of reconstitution until day 7
- 1 month frozen stability for strip testing and hCG

KOVA-Trol® I: High Abnormal w/o Urobilinogen	**87329E**	**Urine**	**4 X 15ml**
KOVA-Trol® I: High Abnormal w/o Urobilinogen	**87325E**	**Urine**	**4 x 60ml**
KOVA-Trol® I: High Abnormal w/o Urobilinogen	**87426E**	**Urine**	**8 x 60ml**
KOVA-Trol® I: High Abnormal w/ Urobilinogen	**87332E**	**Urine**	**4 X 60ml**
KOVA-Trol® I: High Abnormal w/ Urobilinogen	**87533E**	**Urine**	**8 x 60ml**
KOVA-Trol® I: High Abnormal w/ Urobilinogen	**87334E**	**Urine**	**4 x 15ml**
KOVA-Trol® II: Low Abnormal	**87130E**	**Urine**	**4 x 15ml**
KOVA-Trol® II: Low Abnormal	**87428E**	**Urine**	**8 x 60ml**
KOVA-Trol® III: Normal w/ hCG	**87331E**	**Urine**	**4 X 15ml**
KOVA-Trol® III: Normal w/ hCG	**87327E**	**Urine**	**4 x 60ml**
KOVA-Trol® III: Normal w/ hCG	**87528E**	**Urine**	**8 x 60ml**

QUANTIMETRIX

QUALITY CONTROLS

Quantimetrix designs, develops, and manufactures laboratory-quality products at their headquarters in Redondo Beach, California. Leaders in the field of liquid-stable quality control products, Quantimetrix pioneered these innovations more than 40 years ago. Their portfolio improves the efficiency and reliability of laboratory testing and patient care.

DipperPOCT Control – 2 Level Set	**1400-01**	**62 x 1.5ml**
DipperPOCT Control – 2 Level Set	**1400-02**	**20 x 1.5ml**
Analytes: Bilirubin, Blood, Creatinine, Glucose, hCG, Ketones, Leukocytes, Microalbumin, Nitrite, pH, Protein, Specific Gravity, Urobilinogen		

Dipper POCT® Urinalysis Dipstick Control is a revolutionary single-use liquid control with long stability. Made with a simulated human urine matrix, Dipper POCT's stability exceeds that of all other urinalysis controls, currently on the market, formulated with native ketones. Perfect for use in every testing environment including central labs, reference labs, nursing stations and doctor's offices.

- 3 years refrigerated shelf life from date of manufacture
- 3 months room temperature stability
- Full dipstick immersion simulates patient testing
- Minimised risk of contamination
- Designed for use with most urinalysis reagent strips

Dropper Plus POC Urine Dipstick Control Set	**1440-04**	**10 x 5ml**
Dropper Plus POC Urine Dipstick Control Set	**1440-06**	**2 x 5ml**
Analytes: Bilirubin, Blood, Creatinine, Glucose, hCG, Ketones, Leukocytes, Microalbumin, Nitrite, pH, Protein, Specific Gravity, Urobilinogen		

Dropper® Plus POC Urinalysis Dipstick Control eliminates storage problems and gives you maximum portability by providing one month of room temperature stability – perfect for sites without refrigeration. Easy-to-use dropper bottles make dispensing simple. Dropper Plus POC Urinalysis Dipstick Control is designed for use with most urinalysis reagent strips. It can also be used for confirmatory tests and refractometry.

- Liquid, made with human urine
- 1-month open vial stability at room temperature for maximum portability
- 18-month shelf life & open vial stability from date of manufacture when stored at 2°C–8°C

GET IN TOUCH

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