



SERUM INDICES



Fortress
Diagnostics

Serum Indices

Interference caused by Lipaemia, Icterus and Haemolysis (LIH) which affect sample integrity is one of the most common problems observed in all clinical laboratories. Accurately measuring LIH interference levels in specimens is directly related to obtaining accurate results and to delivering the correct patient care.

Historically, laboratories performed manual serum indices detection by visually inspecting samples. Most automated analytical platforms now have the ability to accurately measure LIH using photometric methodology, to provide qualitative or semi-qualitative results. This not only ensures uniformity but also removes subjective variability.

Fortress Serum Indices Quality Controls are designed to monitor the ability of an instrument to accurately measure LIH in specimens. This is done through the use of controls which mimic specimens considered as either lipaemic, icteric, haemolytic or normal using human based control material. Clinical Laboratories can encounter samples that show significant Lipaemia, Icterus and Haemolysis all of which, if high enough, can cause interference with clinical assays. Several diseases, diet and pre-analytical conditions can cause increased concentrations of chromogens like bilirubin, haemoglobin and lipids in serum/plasma.


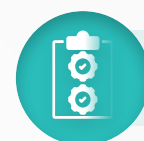






The use of serum indices allows a laboratory to critically evaluate the LIH interference level of a sample and to make a decision as to whether or not a result has been potentially compromised resulting in an incorrect result being reported. The laboratory’s quality of reporting can be kept to a high standard by treating LIH indices as another quantitative assay which require quality control to ensure reproducibility and reliability.

Available Levels

- Serum **Lipaemia** Index
- Serum **Icteric** Index
- Serum **Haemolysis** Index
- Serum **Normal** Index

Key Features & Benefits

Serum indices are parameters measured in blood serum that provide valuable information about the quality and integrity of the sample. Thier benefits include:

 <p>Enhancing specimen integrity: By assessing factors such as haemolysis, lipemia, and icterus.</p>	 <p>Improves the identification of pre-analytical interferences: Helping to ensure the accuracy and reliability of test results, ultimately enhancing patient care and clinical decision-making.</p>								
 <p>Prepared from human source material: These closely mimic the characteristics of clinical specimens, providing accurate and reliable measurements of HIL.</p>	 <p>Long shelf life to reduce frequency of lot change: Crucial for maintaining their stability and reliability over time, thereby optimizing their utility in laboratory settings.</p>								
 <p>Available in lyophilised and frozen liquid format: Provides flexibility to laboratories, catering to different preferences and requirements.</p>	 <p>Monitors instrument response to detecting lipaemic, icteric or haemolysed samples</p>								
 <p>Compatible with a wide range of leading chemistry test instruments: Essential for ensuring seamless integration and performance across different laboratory settings.</p>	 <p>When stored at:</p> <table border="0"> <tr> <td>-20 to -80 °C</td> <td>24 months</td> </tr> <tr> <td>+2 to +8 °C</td> <td>14 days (open vial)</td> </tr> <tr> <td>+2 to +8 °C</td> <td>14 days (unopen vial)</td> </tr> <tr> <td>-20 to -80 °C</td> <td>30 days (frozen aliquot)</td> </tr> </table>	-20 to -80 °C	24 months	+2 to +8 °C	14 days (open vial)	+2 to +8 °C	14 days (unopen vial)	-20 to -80 °C	30 days (frozen aliquot)
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-20 to -80 °C	30 days (frozen aliquot)								



Ordering Information

Description	Details	Cat No.	Size
Serum Indices (LIHN)	Lyophilised For Beckman Coulter Series	BXC0599F	3 x 4 x 5 ml
Serum Indices (LIH)	Lyophilised For Beckman Coulter Series	BXC0599E	4 x 5 ml
Serum Indices (LIH)	Lyophilised For Beckman Coulter Series	BXC0599D	4 x 5 ml
Serum Indices (LIH)	Lyophilised For Beckman Coulter Series	BXC0599C	4 x 5 ml
Serum Indices (LIHN)	Lyophilised For Beckman Coulter Series	BXC0599B	4 x 5 ml
Serum Indices (LIH)	Lyophilised For Beckman Coulter Series	BXC0599A	4 x 1 x 5 ml
Serum Indices (LIHN)	Liquid Frozen For Beckman Coulter Series	BXC0600F	3 x 4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Beckman Coulter Series	BXC0600E	4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Beckman Coulter Series	BXC0600D	4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Beckman Coulter Series	BXC0600C	4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Beckman Coulter Series	BXC0600B	4 x 5 ml
Serum Indices (LIHN)	Liquid Frozen For Beckman Coulter Series	BXC0600A	4 x 1 x 5 ml
Serum Indices (LIHN)	Lyophilised Frozen For Roche Series	BXC0604F	3 x 4 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Roche Series	BXC0604E	4 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Roche Series	BXC0604D	4 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Roche Series	BXC0604C	4 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Roche Series	BXC0604B	4 x 5 ml
Serum Indices (LIHN)	Lyophilised Frozen For Roche Series	BXC0604A	4 x 1 x 5 ml
Serum Indices (LIHN)	Liquid Frozen For Roche Series	BXC0605F	3 x 4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Roche Series	BXC0605E	4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Roche Series	BXC0605D	4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Roche Series	BXC0605C	4 x 5 ml
Serum Indices (LIHN)	Liquid Frozen For Roche Series	BXC0605B	4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Roche Series	BXC0605A	4 x 1 x 5 ml
Serum Indices (LIHN)	Lyophilised Frozen For Abbott Series	BXC0606F	3 x 4 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Abbott Series	BXC0606E	4 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Abbott Series	BXC0606D	4 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Abbott Series	BXC0606C	4 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Abbott Series	BXC0606B	4 x 5 ml
Serum Indices (LIHN)	Lyophilised Frozen For Abbott Series	BXC0606A	4 x 1 x 5 ml
Serum Indices (LIHN)	Liquid Frozen For Abbott Series	BXC0607F	3 x 4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Abbott Series	BXC0607E	4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Abbott Series	BXC0607D	4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Abbott Series	BXC0607C	4 x 5 ml
Serum Indices (LIHN)	Liquid Frozen For Abbott Series	BXC0607B	4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Abbott Series	BXC0607A	4 x 1 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Vitros Series	BXC0608F	3 x 4 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Vitros Series	BXC0608E	4 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Vitros Series	BXC0608D	4 x 5 ml
Serum Indices (LIH)	Lyophilised Frozen For Vitros Series	BXC0608C	4 x 5 ml
Serum Indices (LIHN)	Lyophilised Frozen For Vitros Series	BXC0608B	4 x 5 ml
Serum Indices (LIHN)	Lyophilised Frozen For Vitros Series	BXC0608A	4 x 1 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Vitros Series	BXC0609F	3 x 4 x 5 ml
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Serum Indices (LIH)	Liquid Frozen For Vitros Series	BXC0609D	4 x 5 ml
Serum Indices (LIHN)	Liquid Frozen For Vitros Series	BXC0609C	4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Vitros Series	BXC0609B	4 x 5 ml
Serum Indices (LIH)	Liquid Frozen For Vitros Series	BXC0609A	4 x 1 x 5 ml



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