

Storage and Sample Handling Tips for the Catalyst* Fructosamine Test

Slide storage requirements

- Store in the freezer (do not store in the freezer door).
- No warming required—run directly from the freezer.
- Fructosamine (FRU) slides can be stored in their pouch at room temperature for up to 8 hours. After 8 hours, store any unused materials in the freezer. Once thawed, FRU slides can be refrozen up to 5 times.

Sample preparation and handling best practices

- IDEXX recommends using serum for FRU testing (tends to be more pure than other sample types).
- If you cannot perform FRU analysis within 4 hours of sample collection, store the processed serum in the freezer (-18°C [0°F]).
- Samples that need to be stored for more than 4 hours should be stored in the freezer.
- Be sure to separate the serum from the cells within 30 minutes of collection. Do not attempt to pour off the sample.
- Hemolysis can lower FRU results—for the most accurate results, run FRU on nonhemolyzed serum.
- Recommended sample volume:
 - Whole blood: 600–800 μ L
 - Serum/plasma: 65 μ L (300 μ L if running with other slides)

Frequently asked questions

Question	Answer				
Can the FRU test be run with other slides?	Yes! The FRU test can be run alone or with other slides as part of a comprehensive patient profile. For example, you could run a Catalyst* Lyte 4 CLIP, a Catalyst* Chem 17 CLIP, and a fructosamine test with one patient sample.				
When running with other slides, should the FRU test be loaded in a particular order?	No. FRU can be loaded in any order. For more information about the slide order for other chemistries, see the operator's guide for your Catalyst Dx* Chemistry Analyzer or Catalyst One* Chemistry Analyzer.				
What sample types can be run on the FRU test?	You can run undiluted serum, plasma, or whole blood (in the Catalyst* lithium heparin whole blood separator) samples; however, to ensure the most accurate FRU results, IDEXX recommends running serum whenever possible.				
At what range will the FRU test report a numerical result?	<table><thead><tr><th>U.S. units</th><th>S.I./French S.I. units</th></tr></thead><tbody><tr><td>100–1,000 μmol/L</td><td>100–1,000 μmol/L</td></tr></tbody></table>	U.S. units	S.I./French S.I. units	100–1,000 μ mol/L	100–1,000 μ mol/L
U.S. units	S.I./French S.I. units				
100–1,000 μ mol/L	100–1,000 μ mol/L				
Should I run quality control for FRU?	Yes, the quality control procedure for FRU is identical to regular quality control. IDEXX recommends that you run quality control monthly after cleaning the internal components of the analyzer.				

For more information about running the Catalyst Fructosamine Test, consult the operator's guide for your Catalyst Dx* Chemistry Analyzer or Catalyst One* Chemistry Analyzer. For additional information, please contact IDEXX Technical Support.

IDEXX Technical Support

U.S./Canada: 1-800-248-2483

Ireland: 353 (0)1 562 1211

Netherlands: 31 (0)70 700 7033

United Kingdom: 44 (0)20 3788 7508

Australia: 1300 44 33 99

New Zealand: 0800 83 85 22