Preparing Samples For Use On The

IDEXX Catalyst Dx* Chemistry Analyzer

The Catalyst Dx* Chemistry Analyzer is designed to analyze serum, plasma, whole blood, or urine samples. To ensure maximum accuracy, it is important that you always prepare the sample properly when analyzing blood chemistry parameters.

Please refer to your Catalyst Dx Chemistry Analyzer Operator's Guide for detailed instructions.



Whole Blood Sample

(with a Catalyst* Lithium Heparin Whole Blood Separator)



 Remove the green cap from the lithium heparin whole blood separator to prepare it for sample collection.



 Immediately after sample collection (to avoid clotting), dispense 0.7 cc of untreated (no additive) whole blood into the lithium heparin whole blood separator using an untreated syringe with the needle removed.

Tip: Use the fill line on the separator to ensure proper fill volume.

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Gently swirl (do not invert or shake) the whole blood separator at least 5 times to mix the sample with the anticoagulant.



 Follow the on-screen instructions for loading the sample and slides into the sample drawer.
Caution: Ensure that the can

Caution: Ensure that the cap is removed before loading the separator into the analyzer.

■ Whole Blood Separator Recommendations



Note: Heparinized samples can be used in the lithium heparin whole blood separator.

Plasma Sample



 Use the appropriate lithium heparin tube.
DO NOT USE EDTA OR SODIUM HEPARIN.



2. Use the appropriate sample collection device

†When using an evacuated tube, such as a Vacutainer* tube, allow the sample to draw naturally into the tube by vacuum



 Draw the sample gently. Transfer if necessary. Use the correct bloodto-lithium heparin ratio.



4. Gently invert the sample for 30 seconds to mix



 Centrifuge the sample on the Hard Spin or Hematocrit setting for 120 seconds (IDEXX StatSpin* only) or refer to your operator's guide for centrifugation settings and times.



 Transfer 300 μL of sample to a Catalyst* sample cup. See "Sample Cup Recommendations" below.



7. Follow the on-screen instructions for loading the sample and slides into the sample drawer.

Serum Sample



1. Use the appropriate serum separator tube.



2. Use the appropriate sample collection device.



3. Draw the sample gently. Transfer if



4. Let the sample clot for a minimum of 20 minutes.



5. Centrifuge the sample on the Hard Spin or Hematocrit setting for 120 seconds (IDEXX StatSpin only) or refer to your operator's guide for centrifugation settings and times.



 Transfer 300 μL of sample to a Catalyst sample cup. See "Sample Cup Recommendations" below.



7. Follow the on-screen instructions for loading the sample and slides into the sample drawer.

'When using an evacuated tube, such as a Vacutainer* tube, allow the sample to draw naturally into the tube by vacuum.

Urine Sample for UPC Ratio



 Once you have obtained the unit sample through cystocentesis (recommended), a catheter, or free-catch method, transfer the urine sample to a disposable sample tube.



 Centrifuge the sample on the Urine Sediment setting for 45 seconds (IDEXX StatSpin only) or refer to your user's manual for centrifugation settings and times.



3. Use a transfer pipette to transfer 300 µL of supernatant urine to a Catalyst sample cup. See "Sample Cup Recommendations" below.



4. Dispense 300 µL of Catalyst* Urine P:C Diluent into a Catalyst sample cup.

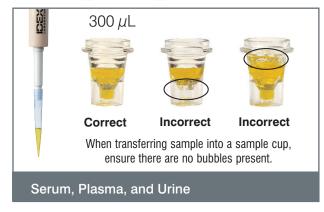


Follow the on-screen instructions for loading UPC materials into the tip/diluent drawer(s).



for loading the sample and slides into the sample drawer.

■ Sample Cup Recommendations



IDEXX Technical Support

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