Starting and stopping the system

To start the system:
1. Turn on the scanner, press the Standby switch on the scanner operation panel. The Ready lamp illuminates.
2. Turn on the computer; the software starts automatically.

To shut down the system:
1. Tap in the upper right corner of the software window, and then select Shut Down.
2. Tap OK to confirm. Both the computer and the scanner shut down.

Requesting an image capture

From the Cornerstone software:
1. Set up invoice items to initiate the Image Request special action.
2. Select Imaging > Image Request.
Requests are listed by patient in the ImageVue CR20 RIS window.
3. Select the patient in the ImageVue CR20 RIS window, and then tap .
4. In the Study window, tap to display the Shot Selection window. See “Capturing the images.”

From a non-Cornerstone practice management system:
1. Use the modality worklist feature to send the image request to the ImageVue CR20 software.
2. Follow steps 2–3 in the previous section.

From a standalone ImageVue CR20 system:
1. In the RIS window, tap to display the Patient Information window.
2. Enter a new patient record, and then tap . See “Capturing the images.”

Sample Volume Required

Fill to lowest line on separator (0.7 cc [700 µL]).

Whole Blood
Serum/Plasma/Urine

The minimum sample volume required varies depending on the number of slides being run.

Running a Sample

1. Enter the sample information on the IDEXX VetLab Station.
2. Load the slides and sample in the sample drawer.
3. Close the sample drawer and press the Start button on the analyzer.

Dilutions

The Catalyst One analyzer supports automated dilutions (the analyzer mixes the sample and diluent for you) and manual dilutions (you prepare the dilution outside of the analyzer). Do not dilute samples that are undergoing ammonia, phenobarbital, fructosamine, total T4, SDMA, progesterone, or electrolyte testing.

Running Quality Control

1. Tap the Catalyst One icon on the IDEXX VetLab Station Home screen.
2. Tap Maintenance and then tap Quality Control.
3. Tap the quality control lot number you are using and then tap Run QC.
4. Follow the on-screen instructions for preparing and running quality control.

Cleaning the Internal Components (Monthly)

1. Tap the Catalyst One icon on the IDEXX VetLab Station Home screen.
2. Tap Maintenance, tap Clean, and follow these on-screen instructions.
   a. Open the side door on your analyzer.
   b. Raise the carousel cover until the green lever magnetizes itself to the inside of the analyzer.
   c. Remove the carousel.
   d. Using an IDEXX-supported alcohol prep pad, wipe the incubator ring and optics window.
   e. Clean the reference tile on the carousel.
   f. Using a dry optical tissue, dry the optics window and reference tile.
   g. Replace the carousel, lower the carousel cover until it firmly clicks in place, and close the side door.
   h. Tap Done.

Note: For detailed instructions on using your Catalyst One Chemistry Analyzer, see the IDEXX Catalyst One Chemistry Analyzer Operator’s Guide.

Catalyst One Analyzer Components

Side door
Status LED
Start/power button
Lock light
Sample drawer†
Waste drawer

Pipette tips
Other reagent consumables
Whole blood separator
Sample cup
Slides/CLIPs
PHBR reagent consumable/automated dilution cups

†The sample drawer photo (shown at right) is for reference purposes only. Not all consumables should be loaded for a single run (for example, never load both a whole blood separator and a sample cup).

‡300 µL is the recommended sample volume when running a Chem 17 CLIP and electrolytes.