



Standard Operating Procedures



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Name of Policy:	How to Use Catalyst Analyzer	Departments:	All
Category & No.:	LAB 10.1	Effective By:	7/102025
Version No.:	1.0	Revision History:	Original

Purpose: To outline how to properly use the Catalyst machine to ensure accurate test results.

Prerequisite(s): Assistant level 1 and higher and lab trained

Background Information: The catalyst analyzer can run a range of tests including chemistry panels, electrolyte panels, and advanced tests such as fructosamine and pancreatic lipase.

Procedure:

Materials needed:

- Green top blood tube (plasma) or yellow top/red top blood tube (serum)
- Centrifuge – all samples must be spun down
- Test clips – stored in freezer
 - Chem 10
 - Chem17
 - Electrolytes (Lyte 4)
- Individual test slides

How to run samples:

- Test must be requested on EzVet under the diagnostics requested tab. This will send it to the vet lab station.
- From the Vet Lab Station:
 - Click on the patient
 - Select an available catalyst machine
 - Click run test
- Once the test is transferred to the Catalyst, the machine will be blinking green
- Open the sample drawer and place your catalyst clips or individual slides
 - Clip/slide order should be as follows:
 - NH3 (Ammonia)
 - Lytes
 - Chem17
 - Chem10
- Use a pipette to place your sample into the sample cup

- Make sure you are only putting your serum or plasma into the sample cup – no blood.
- Place the sample cup in its holder on the left-hand side of the machine
- Make sure there are enough pipette tips. They are located on the left-hand side of the machine, above the sample cup holder
- Close the sample drawer and press the middle grey button to start the machine.



Basic Troubleshooting:

- If the machine is blinking red
 - Check the tray and empty if it's full
 - Check the vet lab station for an error message and follow the instructions for the error message.
 - Common error messages:
 - Not enough sample
 - Sample needs dilution
 - Not enough pipette tips

References:

N/A