



Standard Operating Procedures



220 Mount Laurel Road
Mount Laurel, NJ 08054
p: 856-234-7626
f: 856-231-8393

Name of Policy:	How to Use Procyte Dx Hematology Analyzer	Departments:	All
Category & No.:	LAB 12.1	Effective By:	7/20/2025
Version No.:	1.0	Revision History:	Original

Purpose: To outline how to properly use the Procyte Dx Hematology Analyzer to ensure accurate complete blood count (CBC) results.

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

Background Information: The Procyte Dx Hematology Analyzer is used to perform complete blood counts (CBC's), providing a comprehensive assessment of blood parameters in as little as two minutes.

Procedure:

Materials Needed:

- Purple top (whole blood) or white top (fluid)

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 Procyte Analyzer
 - Click run test
- Once the test is transferred to the Procyte Analyzer, the machine will be blinking green and the sample door will open.
- *Before placing the sample in the machine, check the tube for any blood clots. Check fluid samples for any chunks of material. If the samples have any of these, the sample cannot be run - the machine cannot process them and it will damage the machine.*
- Place the sample tube in the adapter
 - Large tubes need to be used with the large tube adapter located on the top of the machine.
 - Large tubes can be run with the caps on
 - Small tubes need to be used with the small tube adapter
 - Small tubes need to have the cap taken off before starting the machine.
 - To change the tube adapter
 - Gently twist the adapter to the right to remove
 - Place the new one in and gently twist to the left until you hear it click. The red dot on the adapter should align with the red dot on the sample door.

- Place the adapter you are not using on top of the machine.
- Press the small circle to close the sample door.
- Press the large circle to start the test.
 - Make sure you press this button before walking away.



References:

<https://www.idexx.com/en/veterinary/analyzers/hematology/procyte-dx-analyzer/>