Standard Operating Procedures

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Name of Policy:	How to Use SediVue DX Urine Sediment Analyzer and VetLab UA Analyzer	Departments:	All
Category & No.:	LAB 14.1	Effective By:	7/27/2025
Version No.:	1.0	Revision History:	Original

Purpose: To outline how to properly use the SediVue DX Urine Sediment Analyzer, to ensure accurate test results.

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

Background Information: The SediVue DX Urine Sediment Analyzer is used to provide conclusive urine sediment results and advanced bacteria detection with high quality digital images.

Procedure:

Materials Needed:
- Urine in either a white top tube or urine collection container
  - Sample needs to be labeled with how urine was collected
- Pipette (located on top of SediVue machine)
- Pipette tips (located on top of SediVue machine)

How to Run Sample:
- 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 the SediVue DX Analyzer and Vetlab UA
  - Click run test
- Once the test is transferred to the Sedivue DX, the machine will be blinking yellow
- Slowly, carefully invert the sample container 10 times
- Take the pipette and place a pipette tip on it.
- Use the pipette to aspirate 165 µL from the bottom third of the sample. Make sure there are no bubbles.
  - Hold the pipette vertically
  - Only press the plunger to the first stop
  - Make sure you are using IDEXX supplied pipette tips
- Place the sample in the machine:
  - Remove the yellow stopper from the sample port
  - Make sure the pipette tip is firmly seated in the fill port on the cartridge

- o Slowly and evenly dispense the sample, making sure the sample fills the cartridge window but not the overflow channel.
    - o Only press the plunger to the first stop
    - o Lift the pipette from the fill port before you release the plunger
- Push the yellow button to start the test. The analyzer should be a steady yellow while processing the sample.
- Additionally, you will need to follow the instructions on the vet lab station to fill out the following:
    - o Urine Specific gravity
        - ▪ Obtain via refractometer
    - o Color of urine
    - o Clarity of urine
    - o Method of collection

How to run sample in VetLab UA Analyzer:
- Use plastic pipette and place 1 drop of urine on each sample well on the urine dipstick
- Place urine dipstick into VetLab UA and hit yellow button to start
- The machine will pull the urine dipstick in and analyze results.

References:

https://www.idexx.com/en/veterinary/analyzers/sedivue-dx-analyzer/sedivue-resource-center/how-to-run-sedivue/

https://www.idexx.com/en/veterinary/support/documents-resources/vetlab-ua-resources/