

# Preparing Samples for use on the IDEXX SNAPshot Dx<sup>®</sup> Analyser



## Step 1: Verify Sample Type and Pipette Needed

Ensure the SNAP test is at room temperature before preparing the sample.

Test Type	Anticoagulated Whole Blood	Plasma	Serum	Pipette Used
SNAP <sup>®</sup> Total T <sub>4</sub>		✓*	✓	Purple
SNAP <sup>®</sup> Cortisol			✓	Grey or Blue (depending on protocol)
SNAP <sup>®</sup> Bile Acids			✓	Grey
SNAP <sup>®</sup> FIV/FeLV Combo	✓	✓	✓	Clear (provided in kit)
SNAP <sup>®</sup> Feline Triple	✓	✓	✓	Clear (provided in kit)
SNAP <sup>®</sup> Heartworm RT	✓	✓	✓	Clear (provided in kit)
SNAP <sup>®</sup> 4Dx	✓	✓	✓	Clear (provided in kit)
SNAP <sup>®</sup> cPL			✓	Clear (provided in kit)

\*Lithium heparin-based plasma

SNAP <sup>®</sup> Bile Acids Test					
Canine and Feline	Preprandial	Grey	100 µL serum	300 µL	5-30 µmol/L
	Postprandial	Grey	100 µL serum	300 µL	5-30 µmol/L
	Other	Grey	100 µL serum	300 µL	5-30 µmol/L

SNAP <sup>®</sup> Cortisol Test					
Species	Protocol/Protocol Step	Pipette Colour	Sample Volume	Conjugate Volume	Range <sup>s</sup>
Canine	ACTH Stim-Baseline	Grey	100 µL serum	300 µL	14-276 nmol/L
	ACTH Stim-Addison's Suspected	Grey	100 µL serum	300 µL	14-276 nmol/L
	ACTH Stim-Cushing's Suspected	Blue	25 µL serum	300 µL	69-829 nmol/L
	ACTH Stim-Therapeutic Monitoring	Grey	100 µL serum	300 µL	14-276 nmol/L
	ACTH Stim-Therapeutic Monitoring > 10 µg/dL	Blue	25 µL serum	300 µL	69-829 nmol/L
	Low-Dose Dex Suppression-0hr	Grey	100 µL serum	300 µL	14-276 nmol/L
	Low-Dose Dex Suppression-4hr	Grey	100 µL serum	300 µL	14-276 nmol/L
	Low-Dose Dex Suppression - 8hr	Grey	100 µL serum	300 µL	14-276 nmol/L

## Step 2: Collect and Prepare the Sample

### Anticoagulated Whole Blood (e.g., EDTA, heparin)

- Use the appropriate sample collection device.
- Draw the sample gently and transfer it to a treated sample tube.

### Serum

- Use the appropriate serum separator tube.
- Use the appropriate sample collection device.
- Draw the sample gently and transfer it to a serum tube\*.
- Let the sample clot for a minimum of 20 minutes.
- Centrifuge the sample on the Hard Spin or Haematocrit setting for 120 secs (StatSpin\* only) or refer to your operator's guide for centrifugation settings and times.

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

### Plasma (T<sub>4</sub>, Feline Triple/ Combo, Heartworm)

- When the sample drawer is ready, remove the Catalyst\* whole blood separator from the sample drawer.
- Aspirate the plasma from the whole blood separator.

**OR**

- Use the appropriate lithium heparin tube. **Do not use EDTA or sodium heparin for SNAP Total T<sub>4</sub>.**
- Use the appropriate sample collection device.
- Draw the sample gently and transfer it to a lithium heparin tube\*.
- Gently invert the sample for 30 seconds to mix.
- Centrifuge the sample on the Hard Spin or Haematocrit setting for 120 secs (StatSpin\* only) or refer to your operator's guide for centrifugation settings and times.

## Step 3: Prepare the SNAP<sup>®</sup> Device

- Following the on-screen instructions on the SNAPshot Dx Analyser, dispense sample into disposable sample tube. **Ensure you use the correct pipette (as indicated on the screen).**
- Dispense the appropriate amount of conjugate into the same sample tube used in step 1.
- Gently invert the sample tube 4-5 times to mix.
- T<sub>4</sub> and Cortisol ONLY:** Incubate the sample tube for 5 minutes.
- Pour entire contents of sample tube into the sample well of a SNAP<sup>®</sup> device.
- When colour **first** appears in the activation circle, press activator.
- Immediately load the SNAP device into an available port on the analyser.

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