Preparing Samples for use on the

IDEXX **SNAPshot Dx®** 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® Total T_4		✓*	✓	Purple
SNAP® Cortisol			✓	Grey or Blue (depending on protocol)
SNAP® Bile Acids			✓	Grey
SNAP® FIV/FeLV Combo	✓	✓	✓	Clear (provided in kit)
SNAP® Feline Triple	✓	✓	✓	Clear (provided in kit)
SNAP® Heartworm RT	✓	✓	✓	Clear (provided in kit)
SNAP® 4Dx	✓	✓	✓	Clear (provided in kit)
SNAP® cPL			✓	Clear (provided in kit)

*Lithium heparin-based plasma

SNAP® 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

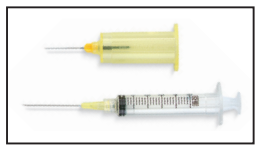
SNAP® Cortisol Test

Species	Protocol/ Protocol Step	Pipette Colour	Sample Volume	Conjugate Volume	Range§
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)



1 Use the appropriate sample collection device.

2 Draw the sample gently and transfer it to a treated sample tube.

Serum

1 Use the appropriate serum separator tube.

2 Use the appropriate sample collection device.

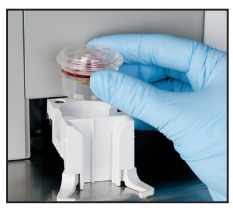
3 Draw the sample gently and transfer it to a serum tube*.

4 Let the sample clot for a minimum of 20 minutes.

5 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 (T4, Feline Triple/ Combo, Heartworm)



1 When the sample drawer is ready, remove the Catalyst* whole blood separator from the sample drawer.

2 Aspirate the plasma from the whole blood separator.

OR

1 Use the appropriate lithium heparin tube. **Do not use EDTA or sodium heparin for SNAP Total T4.**

2 Use the appropriate sample collection device.

3 Draw the sample gently and transfer it to a lithium heparin tube*

4 Gently invert the sample for 30 seconds to mix.

5 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® Device

1 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).**

2 Dispense the appropriate amount of conjugate into the same sample tube used in step 1.

3 Gently invert the sample tube 4–5 times to mix.

4 **T_4 and Cortisol ONLY:** Incubate the sample tube for 5 minutes.

5 Pour entire contents of sample tube into the sample well of a SNAP® device.

6 When colour **first** appears in the activation circle, press activator.

7 Immediately load the SNAP device into an available port on the analyser.

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