

TIPS FOR SUCCESS:

- Ensure that test devices, reagents and samples are at room temperature (15–30°C) before use.
- Before running a sample, select "Standard Test" on the screen, then insert the test device without the sample. This allows the Vcheck to read the barcode.
- Once the barcode is read, the test device will extend from the analyzer. Keep the device in place and add the sample. Not following this step can disrupt the internal quality control process.
- Follow the Quick Guide or the on-screen mixing instructions once the test device is inserted into the Vcheck.
- Please note, all hormone tests require non-additive Serum.

***Note: Diluent tubes are not interchangeable amongst tests.

Serum Plasma (heparin) 1-30°C

Vcheck Canine CRP 2.0

Dilute sample

5 µl

Use a 5 µl pipette to draw 5 µl of the sample and add into an assay diluent bottle.

Mix

x 5-6

Close the bottle cap and shake for 5-6 times to mix thoroughly.

Measure

100 µl

Add 100 µl of the mixed sample to the sample well of the test device and press [START].

Normal	Equivocal	Abnormal
< 20 mg/L	20 ~ 30 mg/L	> 30 mg/L

Serum Plasma (heparin) 1-30°C

Vcheck Feline SAA 3.0

Dilute sample

5 µl

Use a 5 µl pipette to draw 5 µl of the sample and add into an assay diluent tube.

Mix

x 5-6

Close the tube cap and shake for 5-6 times to mix thoroughly.

Measure

100 µl

Add 100 µl of the mixed sample to the sample well of the test device and press [START].

Normal	Equivocal	Abnormal
< 5 µg/ml	5 ~ 10 µg/ml	> 10 µg/ml

Serum 1-30°C

Vcheck cPL 2.0

Dilute sample

25 µl

Use a 25 µl pipette to draw 25 µl of the serum and add to the assay diluent tube.

Mix

100 µl

Use a 100 µl pipette to mix the sample with diluent by pipetting 5-6 times.

Measure

100 µl

Add 100 µl of the mixed sample to the sample well of the test device and press [START].

Normal	Suspected	Pancreatitis
< 200 ng/ml	200 ~ 400 ng/ml	> 400 ng/ml

Serum Plasma (EDTA) 1-30°C

Vcheck fPL 2.0

Dilute sample

25 µl

Use a 25 µl pipette to draw 25 µl of the sample and add into an assay diluent tube.

Mix

100 µl

Use a 100 µl pipette to mix the sample with diluent by pipetting 5-6 times.

Measure

100 µl

Add 100 µl of the mixed sample to the sample well of the test device and press [START].

Normal	Suspected	Pancreatitis
≤ 3.5 ng/ml	3.6 ~ 5.3 ng/ml	≥ 5.4 ng/ml

Plasma (sodium citrate) 2-8°C

Vcheck D-dimer

Sodium citrate

50 µl

Use a 50 µl pipette to take 50 µl of included sodium citrate and add it into a 1.5 ml tube.

Whole blood

0.5 ml

Add 450 µl of whole blood to the line of 0.5 ml.
* Sodium citrate(50 µl) : whole blood(450 µl) =1:9 ratio

Centrifuge

Mix the tube gently using a wrist snap making an 8-character shape and centrifuge at 3,000 rpm for 15 min.

Dilute sample

5 µl

Use a 5 µl pipette to draw 5 µl of plasma and add it to the assay diluent tube.

Mix

100 µl

Use a 100 µl pipette to mix the sample with diluent by pipetting 5-6 times.

Measure

100 µl

Add all of the mixed sample to the sample well of the test device and press [START].

Normal	Abnormal (TED/DIC probable)
< 0.3 µg/ml	≥ 0.3 µg/ml

*Serum (non-additive) for: T4, cTSH, cCortisol, cProgesterone

Serum (***DO NOT USE SST TUBE**)

2-8 °C

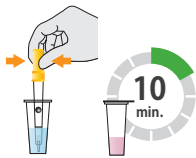
Vcheck T4

Dilute sample



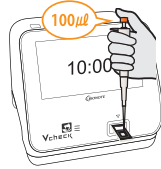
Use a 50 µl pipette to draw 50 µl of the serum and add to the assay diluent tube.

Mix & Incubate



Use a tablet pipette to mix at least 8 times until the tablet is **completely dissolved**. Incubate the sample mixture at room temperature for 10 minutes.

Measure



Add 100 µl of incubated sample to the sample well of the test device and press [START].

Dog					Cat			
Low	Low normal	Normal	High	Therapeutic	Low	Normal	Gray zone	Hyperthyroidism
<1.0	1.0-2.0	1.0-4.0	>4	2.1-5.4 µg/dL	<0.8	0.8-4.7	2.3-4.7	>4.7 µg/dL

*Serum (non-additive) for: T4, cTSH, cCortisol, cProgesterone

Serum (***DO NOT USE SST TUBE**)

2-8 °C

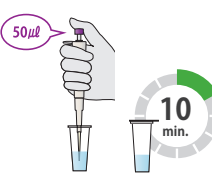
Vcheck cCortisol

Dilute sample



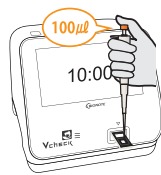
Use a 50 µl pipette to draw 50 µl of the serum and add to the assay diluent tube.

Mix & Incubate



Use the same pipette to mix the sample with diluent by pipetting 5-6 times. Incubate the sample mixture at room temperature for 10 minutes.

Measure



Add 100 µl of incubated sample to the sample well of the test device and press [START].

* Please refer to the product Instructions for Use to determine the results of ACTH ST, LDDST, or HDDST.

Serum

1-30 °C

Vcheck Feline NT-proBNP

Dilute sample



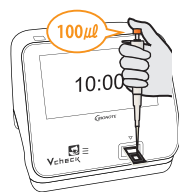
Use a 100 µl pipette to draw 100 µl of the serum and add to the assay diluent tube.

Mix



Use the same pipette to mix the sample with diluent by pipetting 5-6 times.

Measure



Add 100 µl of the mixed sample to the sample well of the test device and press [START].

Normal	Abnormal
< 100 pmol/L	≥ 100 pmol/L

Serum

1-30 °C

*Serum (non-additive) for: T4, cTSH, cCortisol, cProgesterone

Serum (***DO NOT USE SST TUBE**)

2-8 °C

Vcheck cTSH

Dilute sample



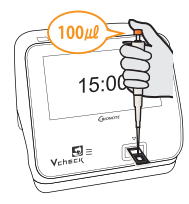
Use a 100 µl pipette to draw 100 µl of the serum and add to the assay diluent tube.

Mix



Use the same pipette to mix the sample with diluent by pipetting 5-6 times.

Measure



Add 100 µl of the mixed sample to the sample well of the test device and press [START].

Normal	High
< 0.5 ng/mL	≥ 0.5 ng/mL

*Serum (non-additive) for: T4, cTSH, cCortisol, cProgesterone

Serum (***DO NOT USE SST TUBE**)

2-8 °C

Vcheck cProgesterone

Dilute sample



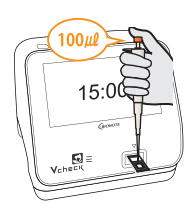
Use a 50 µl pipette to draw 50 µl of the serum and add to the assay diluent tube.

Mix



Use the same pipette to mix the sample with diluent by pipetting 5-6 times.

Measure



Add 100 µl of the mixed sample to the sample well of the test device and press [START].

Anestrus or proestrus	Pre-LH surge	LH surge	Post-LH surge	Ovulation	Post-ovulation
< 1.0 ng/mL	1.0 - 1.99	2.0 - 2.99	3.0 - 4.99	5.0 - 12.0	> 12.0

Serum

2-8 °C

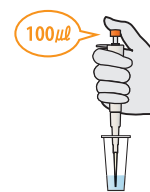
Vcheck Canine NT-proBNP

Dilute sample



Use a 100 µl pipette to draw 100 µl of the serum and add to the assay diluent tube.

Mix



Use the same pipette to mix the sample with diluent by pipetting 5-6 times.

Measure



Add 100 µl of the mixed sample to the sample well of the test device and press [START].

Normal	Suspected	Abnormal
< 900 pmol/L	900 - 1,800 pmol/L	> 1,800 pmol/L

Serum

1-30 °C

Vcheck Feline Tnl

Dilute sample



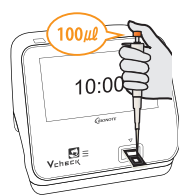
Use a 100 µl pipette to draw 100 µl of the serum and add to the assay diluent tube.

Mix



Use the same pipette to mix the sample with diluent by pipetting 5-6 times.

Measure



Add 100 µl of the mixed sample to the sample well of the test device and press [START].

Normal	Suspected	Abnormal
< 0.18 ng/ml	0.18 - 0.28 ng/ml	> 0.28 ng/ml

Vcheck Canine Tnl

Dilute sample



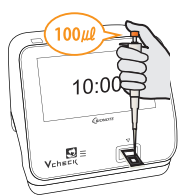
Use a 100 µl pipette to draw 100 µl of the serum and add to the assay diluent tube.

Mix



Use the same pipette to mix the sample with diluent by pipetting 5-6 times.

Measure



Add 100 µl of the mixed sample to the sample well of the test device and press [START].

Normal	Suspected	Abnormal
< 0.1 ng/ml	0.1 - 0.2 ng/ml	> 0.2 ng/ml

Vcheck SDMA

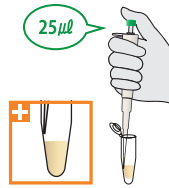
* Please place each sample and packaged kit component at room temperature (15-30°C) **30 minutes before use**. Warming them up by hand or any other improper elevation of the temperature should be avoided as it may generate invalid results.

Sample



Use a 100 µl pipette to draw 100 µl of the sample and add to a 1.5 ml tube.

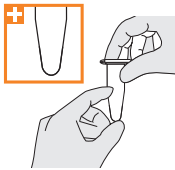
Pretreatment



Use a 25 µl pipette to draw 25 µl of the Pretreatment Buffer and add it to the 1.5 ml tube.

* The end of the pipette tip should be applied onto the inner wall of the tube to prevent the pipette tip from clogging.

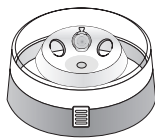
Mix



Mix well using a vortex mixer. If not, tap with fingers 6-8 times.

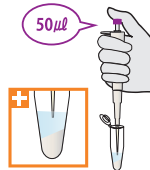
* Ensure that the sample and pretreatment buffer are well mixed to form white sediment.

Centrifuge



Centrifuge at 10,000 rpm for 5 min within 10 seconds from the mixing stage.

Collect supernatant



Collect 50 µl of the separated supernatant and transfer to a new 1.5 ml tube.

* Be careful not to bring the sediments at the bottom.

Assay diluent



Collect 50 µl of the assay diluent and add it to the tube containing the supernatant. Mix well 5-6 times.

Mix



Within one minute, use a disposable tablet pipette to mix well until the white tablet dissolves completely.

Measure



Add all of the mixed sample into the sample hole of the test device and press [START].

Normal

≤ 14 µg/dL

Suspected

14.1 - 19.9 µg/dL

Kidney disease probable

≥ 20 µg/dL

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- Please note, all hormone tests require non-additive Serum.

***Note: Diluent tubes are not interchangeable amongst tests.

Serum Plasma (heparin) 2-8°C

Vcheck Equine SAA

Dilute sample	Mix	Measure
<p>Use a 5 µl pipette to draw 5 µl of the sample and add into an assay diluent bottle.</p>	<p>Close the bottle cap and shake for 5-6 times to mix thoroughly.</p>	<p>Add 100 µl of the mixed sample to the sample well of the test device and press [START].</p>
<p>Normal < 10 mg/L</p>	<p>Equivocal 10 - 20 mg/L</p>	<p>Abnormal > 20 mg/L</p>

Serum (non-additive) 2-8°C

Vcheck eProgesterone

Dilute sample	Mix	Measure
<p>Use a 50 µl pipette to draw 50 µl of the serum and add to the assay diluent tube.</p>	<p>Use the same pipette to mix the sample with diluent by pipetting 5-6 times.</p>	<p>Add 100 µl of the mixed sample to the sample well of the test device and press [START].</p>
<p>Low ≤ 2 ng/ml</p>		<p>High (gestation) > 2 ng/ml</p>

Serum Plasma (EDTA) 2-30°C

Vcheck Foal IgG

Dilute sample	Mix	Measure
<p>Use a 5 µl pipette to draw 5 µl of the serum or plasma (EDTA) sample, and add to the assay diluent tube.</p>	<p>Close the bottle cap and shake for 5-6 times to mix thoroughly.</p>	<p>Add 100 µl of the mixed sample to the sample well of the test device and press [START].</p>
<p>Failure of passive transfer in foal < 400 mg/dL</p>	<p>Partial failure of passive transfer in foal 400 - 800 mg/dL</p>	<p>Successful passive transfer in foal > 800 mg/dL</p>