Vcheck Canine CRP 2.0

Serum | Plasma (heparin) | 1~30℃

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

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

Measure — 100μl 05:00
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

Vcheck Feline SAA 3.0

Serum | Plasma (heparin) | 1~30℃

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

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

Measure — 100μl 05:00
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

Vcheck cPL 2.0

Serum | 1~30℃

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

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

Measure — 100μl 05:00
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

Vcheck fPL 2.0

Serum | Plasma (EDTA) | 1~30℃

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

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

Measure — 100μl 15:00
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

Vcheck T4

Serum (*DO NOT USE SST TUBE) | 2~8℃

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

Mix & Incubate — 10 min.
Use a tablet pipette to mix over 8 times until the tablet is completely dissolved. Incubate the sample mixture at room temperature for 10 minutes.

Measure — 100μl 10:00
Add 100 μl of incubated sample to the sample well of the test device and press [START].

Dog	Low	Low normal	Normal	High	Therapeutic
	< 1.0 μg/dL	1.0~2.0	1.0~4.0	> 4	2.1~5.4

Cat	Low	Normal	Gray zone	Hyperthyroidism
	< 0.8 μg/dL	0.8~4.7	2.3~4.7	> 4.7

Vcheck cTSH

Serum (*DO NOT USE SST TUBE) | 2~8℃

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

Mix — 100μl
Use the same pipette to mix the sample with diluent by pipetting 5~6 times.

Measure — 100μl 15:00
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

Vcheck D-dimer

Plasma (sodium citrate) | 2~8℃

Sodium citrate — 50μl
Use a 50 μl pipette to take 50 μl of 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

Mix
Mix the tube gently using a wrist snap making an 8-character shape.

Centrifuge
Centrifuge at 3,000 rpm for 15 min.

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

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

Measure — 100μl 05:00
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

Vcheck SDMA

Serum | Plasma (heparin) | 2~8℃

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

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

Pretreatment — 25μl
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 6,000 x g for 5 min within 10 seconds from the mixing stage.
* (10,000 RPM for 5 min with the centrifuge provided by Bionote)

Collect supernatant — 50μl
Collect 50 μl of the separated sup ernatant and transfer to a new 1.5 mℓ tube.
* Be careful not to bring the sediments at the bottom.

Assay diluent — 50μl
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 — 05:00
Add all of the mixed sample into the sample hole of the test device and press [START].

Normal	Suspected	Kidney disease probable
≤ 14 μg/dL	14.1 - 19.9 μg/dL	≥ 20 μg/dL

Vcheck cCortisol

Serum (*DO NOT USE SST TUBE) | 2~8℃

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

Mix & Incubate — 50μl 10 min.
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 — 100μl 10:00
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.

Vcheck cProgesterone

Serum (*DO NOT USE SST TUBE) | 2~8℃

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

Mix — 50μl
Use the same pipette to mix the sample with diluent by pipetting 5~6 times.

Measure — 100μl 15:00
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

ver.15

Vcheck Feline NT-proBNP

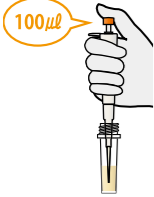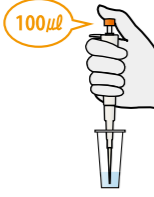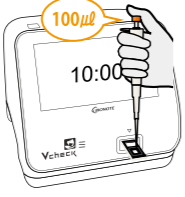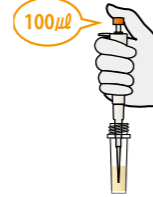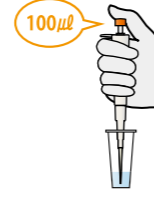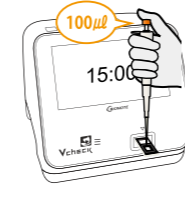| Dilute sample	Mix	Measure
100μl	100μl	100μl / 10:00
Use a 100 μl pipette to draw 100 μl of the serum and add to the assay diluent tube.	Use the same pipette to mix the sample with diluent by pipetting 5~6 times.	Add 100 μl of the mixed sample to the sample well of the test device and press [START].

Normal	Abnormal
< 100 pmol/L	≥ 100 pmol/L
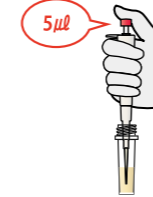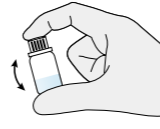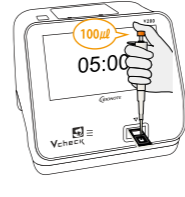
Vcheck Canine NT-proBNP

Dilute sample	Mix	Measure
100μl	100μl	100μl / 15:00
Use a 100 μl pipette to draw 100 μl of the serum and add to the assay diluent tube.	Use the same pipette to mix the sample with diluent by pipetting 5~6 times.	Add 100 μl of the mixed sample to the sample well of the test device and press [START].

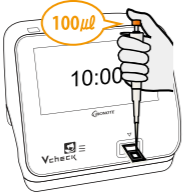| Normal	Suspected	Abnormal
< 900 pmol/L	900 – 1,800 pmol/L	> 1,800 pmol/L
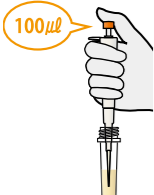
Vcheck Equine SAA

Dilute sample	Mix	Measure
5μl		100μl / 05:00
Use a 5 μl pipette to draw 5 μl of the sample and add into an assay diluent bottle.	Close the bottle cap and shake for 5-6 times to mix thoroughly.	Add 100 μl of the mixed sample to the sample well of the test device and press [START].

Normal	Equivocal	Abnormal
< 10 mg/L	10 - 20 mg/L	> 20 mg/L
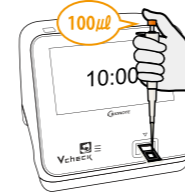
Vcheck Feline TnI

Dilute sample	Mix	Measure
100μl	100μl	100μl / 10:00
Use a 100 μl pipette to draw 100 μl of the serum and add to the assay diluent tube.	Use the same pipette to mix the sample with diluent by pipetting 5~6 times.	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
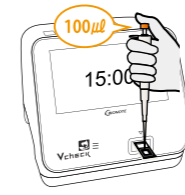
Vcheck Canine TnI

Dilute sample	Mix	Measure
100μl	100μl	100μl / 10:00
Use a 100 μl pipette to draw 100 μl of the serum and add to the assay diluent tube.	Use the same pipette to mix the sample with diluent by pipetting 5~6 times.	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
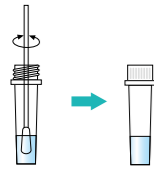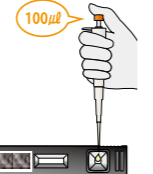
Vcheck eProgesterone

Dilute sample	Mix	Measure
50μl	50μl	100μl / 15:00
Use a 50 μl pipette to draw 50 μl of the sample and add to the assay diluent tube.	Use the same pipette to mix the sample with diluent by pipetting 5~6 times.	Add 100 μl of the mixed sample to the sample well of the test device and press [START].

Low	High (gestation)
≤ 2 ng/ml	> 2 ng/ml

Vcheck Ag, Ab

	Dilute sample	Measure	Add sample	Incubate	Measure
Ag	Ab Serum Plasma	[STANDARD TEST]	[READ ONLY]		
	5μl	100μl	100μl	10 min.	
Insert a swab used for collecting sample into the assay diluent tube. Mix the swab and wait for 1 minute for the mixture to settle down.	Use a 5 μl pipette to draw 5 μl of the sample and add into an assay diluent tube.	Use a 100 μl pipette to mix well 5-6 times and add 100 μl of the mixed sample to the sample well and press [START].	Use a 100 μl pipette to mix well 5-6 times and add 100 μl of the mixed sample to the sample well.	Leave the test device for 10 minutes. Note that the device should not be left for more than 13 minutes.	Insert the test device into the V200 Analyzer.

Ab Titer	Poor immune status	Protective immunity
	< Titer 3	≥ Titer 3