Product Information
Vcheck Analyzer

BIONOTE Marketing team

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Vcheck Analyzer

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01 Vcheck Analyzer Principle

- About Vcheck Analyzer

- Available Test Parameters on Vcheck

- Vcheck Fluorescent Complexes

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About Vcheck Analyzer

Vcheck Analyzer is a fluorescent immunoassay veterinary POCT

which enables quantitative results only within a few minutes.

UP TO 20+ BIOMARKERS AVAILABLE

INTUITIVE USER INTERFACE

2D BARCODE AUTOMATION

USER FRIENDLY PROCEDURES

DATA CONNECTIVITY

UP TO 24 TESTS AT ONCE
FOR V2400 ONLY

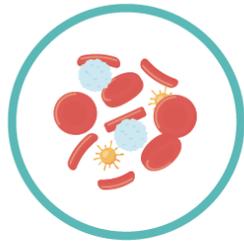Experience the **Outstanding Efficiency** with Vcheck Analyzer**!**
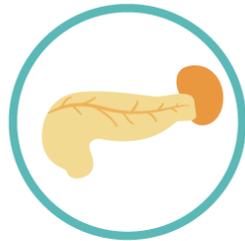
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Available Test Parameters on Vcheck

Various test parameters available to test on one analyzer

* Biomarkers under development

Inflammatory
CRP, SAA

Pancreatitis
cPL, fPL

Hormone
Cortisol, T4, TSH
Progesterone

Ab Titers
CPV, CDV, CAV Ab
FPV, FHV, FCV Ab

Coagulation
D-dimer

Cardiac
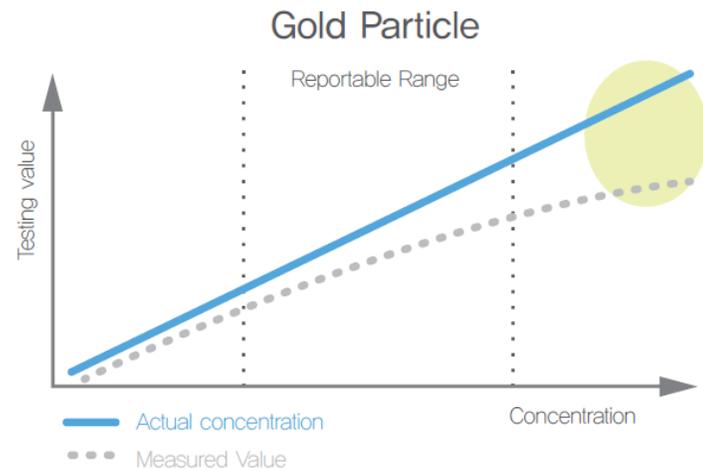NT-proBNP (Canine, Feline)
TnI (Canine, Feline*)

Tumor
TK1*, AFP*

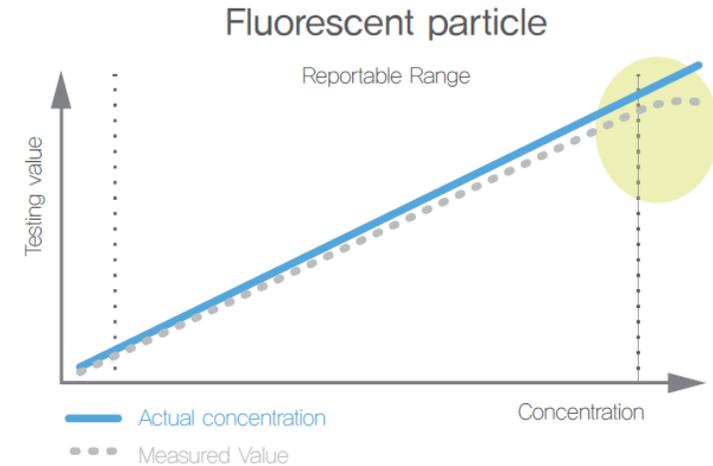Quantitative Test | Antibody Titer Test | Infectious Test

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Vcheck Fluorescent Complexes

Vcheck Analyzer utilizes *FLUORESCENT*, which is more powerful than colloidal gold material

Gold Particle

Reportable Range

Testing value

Concentration

Actual concentration

Measured Value

Non-parallel Value at High Concentration

Superior Accuracy

Fluorescent particle

Reportable Range

Testing value

Concentration

Actual concentration

Measured Value

Parallel Value at High Concentration

With **Fluorescent** particle, the result value remains parallel to the actual measured concentration and doesn't shed at a high concentration.

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Vcheck Fluorescent Complexes

Vcheck Analyzer utilizes *EUROPIUM*, a powerful fluorescent material

General Fluorescent particle

Overlapping Wavelength

Superior Accuracy

Europium particle

Non-overlapping Wavelength
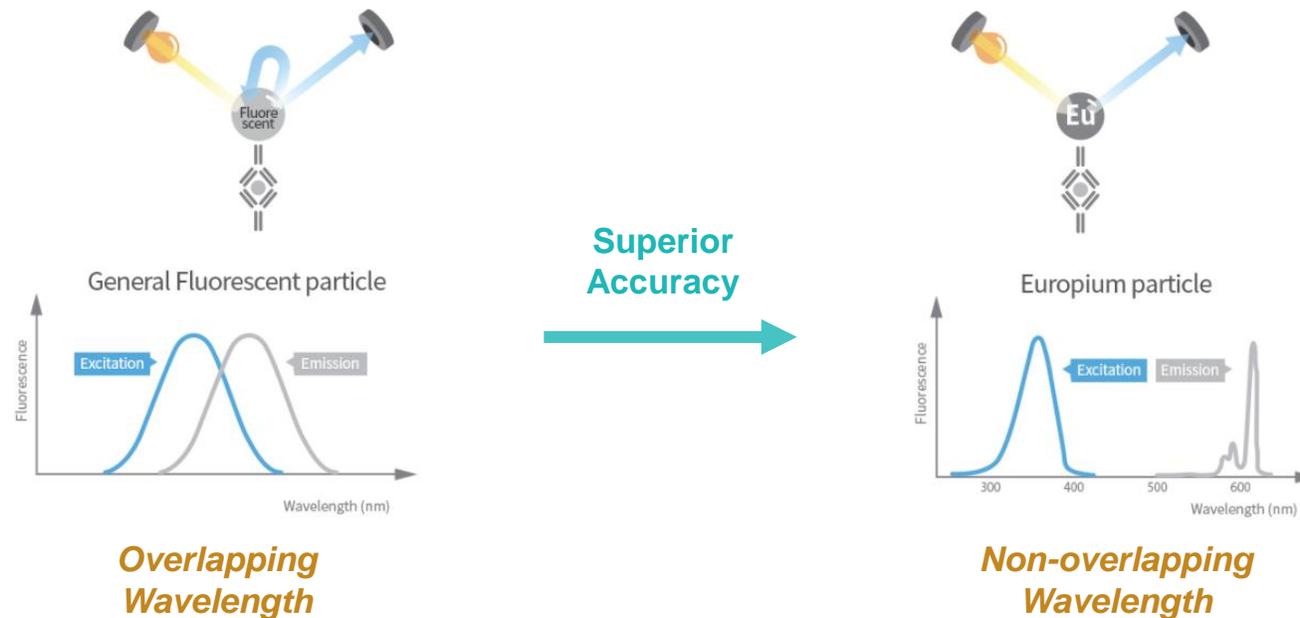
With **Europium**, the excitation wavelength and emission wavelength do not overlap, ensuring you receive precise diagnostics for improved care.

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Vcheck Fluorescent Complexes

Combined together, Vcheck analyzer and Vcheck device demonstrate *HIGH SENSITIVITY*

Europium bead

Strong signals
Excellent stability
Minimized interference

Specific Antigen or Antibody

Simple and easy to use
Fast assay time
Cost effective

Parameter information

2D barcode system
Automatic recognition of the test parameter
No need for additional barcode scanning

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02 Product Information

- Vcheck V200 vs Vcheck V2400

- Product Specification (V200, V2400)

- V200 Test Modes

  - Standard Test Mode

  - Read Only Mode

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Vcheck V200 vs Vcheck V2400

Two different fluorescent immunoassay analyzers with different needs

Compact and convenient analyzer,

V200

The best way to reduce turnaround time,

V2400

Vcheck Analyzer

Animal clinics and hospitals	Large hospitals, laboratory
USER FRIENDLY	**24 TESTS AT ONCE**
1 Test at a Time	24 Tests at Once / 70 Tests Per Hour
Compact Size (200x240x205 mm)	Dimension (510x566x297 mm)
7" Color Touch Screen	10" Color Touch Screen
2D Barcode Technology	2D Barcode Technology
E-Chart Auto Sync	E-Chart Auto Sync
Built-in Printer	Built-in Printer

Product Specification

- ## Vcheck V200

  - ✓ **Test Capacity** : 1 test at a time

  - ✓ **Power** : AC/DC adaptor

  - ✓ **Display** : 7" Color Touch Screen

  - ✓ **Pinter** : Built-in

  - ✓ **Connectivity** : HL7 v2.6(PCD-01) / POCT1-A

 - ✓ **Dimension** : 200 x 240 x 205 mm

  - ✓ **Weight** : 2.5 kg

Product No.	Product Name	Product Type	Packing Unit
VC7402EA	V200	Equipment	1 EA

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Product Specification

- **Vcheck V2400**

  ✓ **Test Capacity** : 24 tests at once / 70 tests per hour

  ✓ **Power** : AC/DC adaptor

  ✓ **Display** : 10" Color Touch Screen

  ✓ **Pinter** : Built-in

  ✓ **Connectivity** : HL7 v2.6(PCD-01) / POCT1-A

  ✓ **Dimension** : 510 x 566 x 297 mm

  ✓ **Weight** : 20.0 kg

Product No.	Product Name	Product Type	Packing Unit
VC7403EA	V2400	Equipment	1 EA

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V200 Test Modes

- **Standard Test Mode (1)**
  - Below is an example test process for **Vcheck Standard Test Mode**
  - Refer to the specific **Instructions for Use(IFU)** for each Test Kit.

Coding
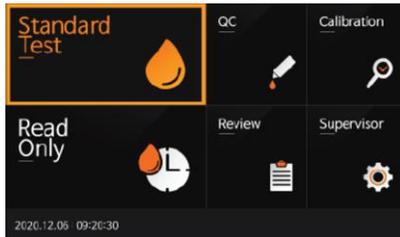
Select **[Standard Test]** mode

Enter the **Operator ID**, **Patient ID**, and **Order #**

Insert the test device from the desired test kit

*If the ID is not entered, the analyzer will regard the operator as a guest user.

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V200 Test Modes

- **Standard Test Mode (2)**
  - Below is an example test process for **Vcheck Standard Test Mode**
  - Refer to the specific **Instructions for Use(IFU)** for each Test Kit.

Apply	Analysis	Result
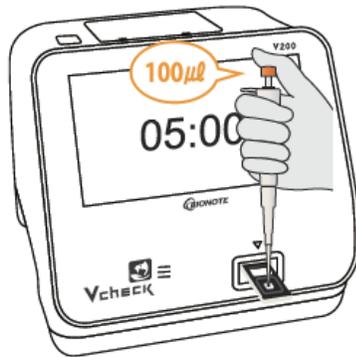
Apply the prepared sample to the sample hole of the test device

The analyzer will automatically scan the test device and analyze the test results

Once the analysis is finished, **Result** screen will be displayed

*If the [**START**] button is not pressed within 20 seconds after applying the sample, the analyzer will display an error message.

*The scanning time can vary based on the type of the test device.

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V200 Test Modes

- **Read Only Mode (1)**
  - Below is an example test process for **Vcheck Read Only Mode**
  - Refer to the specific **Instructions for Use(IFU)** for each Test Kit.
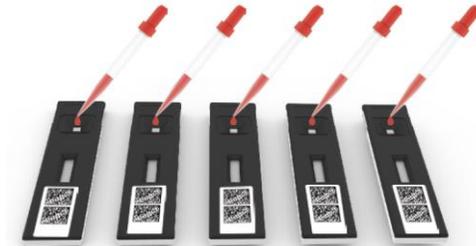
Coding

Select **[Read Only]** mode

Enter the **Operator ID**,
Patient ID, and **Order #**

*If the ID is not entered, the analyzer will regard the operator as a guest user.

Apply the prepared sample to test device, then immediately set the timer to the designated processing time as indicated in the specific IFU

*Add the prepared sample to additional test devices for the same reagent at an interval of one minute.

V200 Test Modes

- **Read Only Mode (2)**
    - Below is an example test process for **Vcheck Read Only Mode**
    - Refer to the specific **Instructions for Use** for each Test Kit.

Apply	Analysis	Result
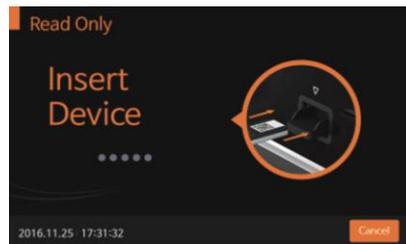
When the timer goes off, insert the first test device to have applied the sample

Once the analysis is finished, **Result** screen will be displayed within 10 seconds

*The scanning time can vary based on the type of the test device.

Eject the test device, then continue to insert the additional test devices in the order of the sample application
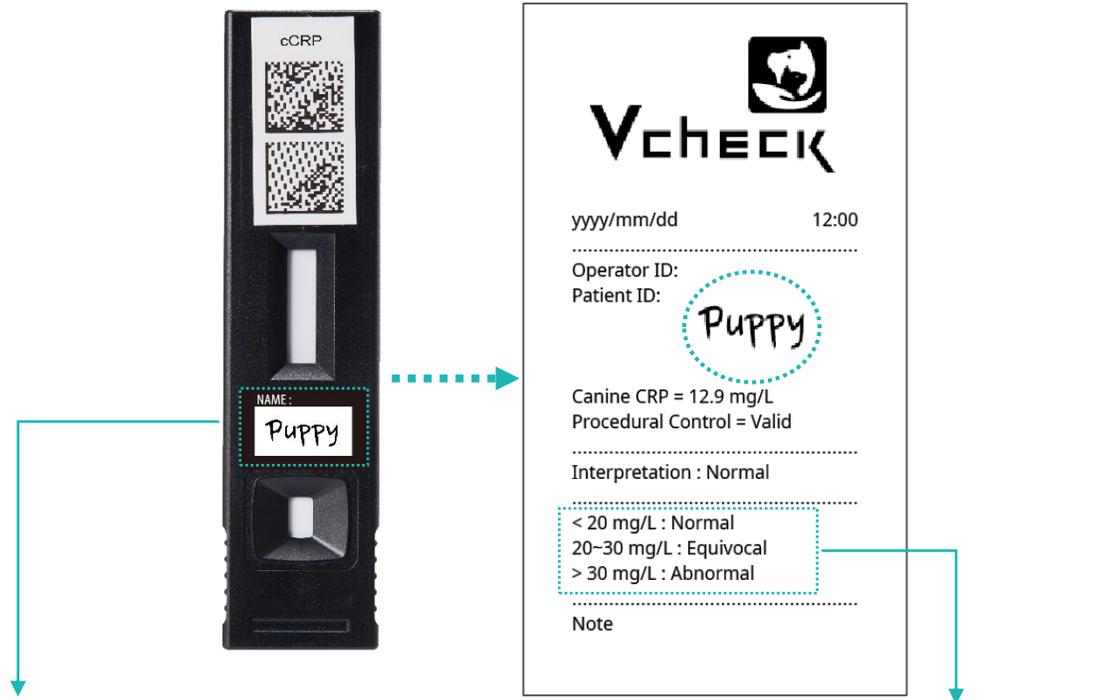
*Press **[Cancel]** at any time to stop the test progress

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03 **Product Maintenance**

- Patient Information Configuration

- Test Result Management

- Calibration and Control

- Troubleshooting

- Warranty Policy

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Patient Information Configuration

Easily organize patient information and the test result settings

cCRP

NAME :
Puppy

Vcheck

yyyy/mm/dd   12:00

Operator ID:
Patient ID:
                    Puppy

Canine CRP = 12.9 mg/L
Procedural Control = Valid

Interpretation : Normal

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

Note

Print out the test result with
your handwriting on the test device

The print-out includes
reference range to help interpretation

Standard Test

Operator ID   Patient ID   Order #

OK   Cancel   Direct

18.09.2018 | 18:03:03
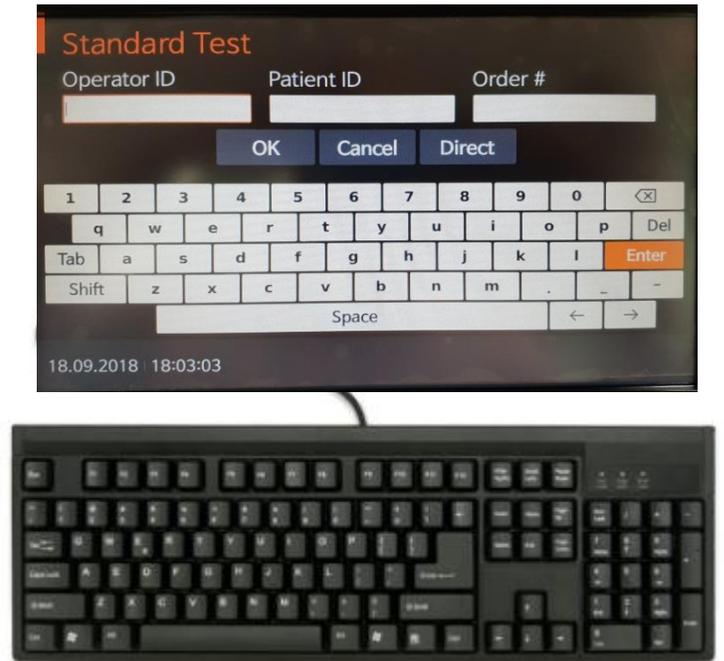
Easily enter the operators and patients' information
using a USB keyboard*

*Material not provided.

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Test Result Management

Organize the test results automatically through the integrated data connectivity system

Printer
Internal printer with V200, V2400

Memory
3,000 test with V200
5,000 test with V2400

Connectivity
V200 and V2400 analyzer support LIS/HIS connectivity
User can transfer the data to their information system

Calibration and Control

Maintain Vcheck Analyzer at its best with additional supplements

Calibration Set

- Recommended to use once per month
- 2 years use with one set
- Consists of 3 calibration devices :
  - Cal-1 for White Calibration
  - Cal-2 for UV Sensor
  - Cal-3 for RGB Sensor

> Calibration for Analyzer only

2D Barcode Auto Calibration

- Automatic recognition of the test items
  > Doesn't need to insert ID chip

- Temperature calibration
  > Stable result from 15 – 30 ℃

- Lot variation calibration
  > Doesn't need to calibrate for every batch

Quantitative Test Control

- Separate package
- Individual tablet pipette for each control
- Different levels of control(**Low**, **High**)
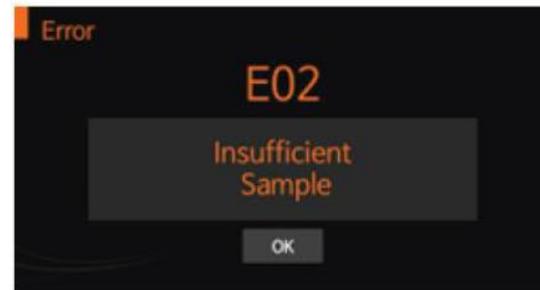- Freeze-drying sample

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03 Product Maintenance

Troubleshooting

Most common troubleshooting error messages on Vcheck Analyzer

Device error

Analyzer error

Cause
Start button pushed too late
Already used kit

Cause
Small volume of sample
Too much foam
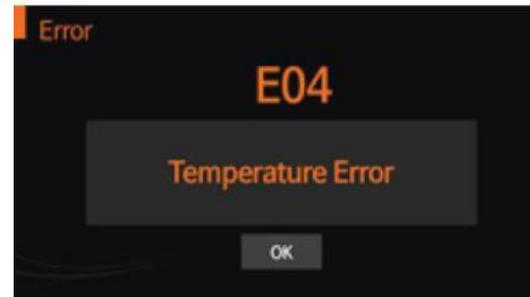
Cause
Device temperature is not between 15~30℃
Analyzer temperature is not between 15~30℃
Defective temperature sensor

Troubleshooting

Most common troubleshooting error messages on Vcheck Analyzer
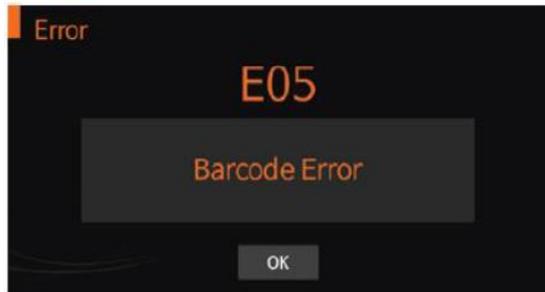
Cause
Damaged barcode

Cause
C-line is not colored

Cause
Calibration overdue
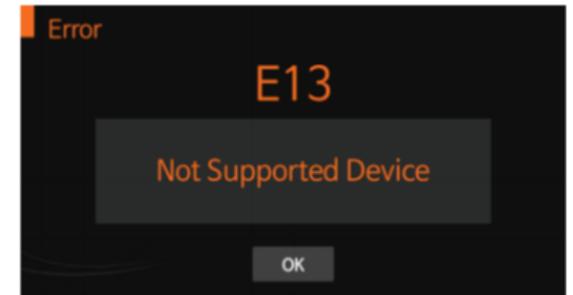
Cause
Unsupported device has been used

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Thank you

Any Questions?

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