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Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
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Сыктывкар (8212)25-95-17  
Сургут (3462)77-98-35  
Тамбов (4752)50-40-97

Казахстан (772)734-952-31

Тверь (4822)63-31-35  
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<https://seamaty.nt-rt.ru> || [sya@nt-rt.ru](mailto:sya@nt-rt.ru)

## Анализатор ветеринарной химии SMT-120VP



### Vet Chemistry Analyzer

SMT-120VP is a state-of-the-art full automatic biochemical analyzer for animal diagnosis. SMT-120VP can test up to 24 parameters at one time with precision reference laboratory quality results. No professional operation skills are required. The analyzer contains built-in centrifuge, QR code, Intelligent Quality Control. Full automatic operation, no need to add diluent and centrifuge. The test results will be printed automatically after 12 minutes.



Step 1

**Add sample**



Step 2

**Insert panel**



Step 3

**Read result**

## Product Feature



### Small sample required

Only 100ul whole blood, plasma or serum, more convenient and safer for small animals and exotic pets.



### Easy to use

No need for centrifugation and adding diluent, only 3 easy steps: add sample, insert disc and read reports. No professional skills are required.



### Fast and accurate

Read reports after 12 minutes, less waiting time for patients. Built-in real time quality control system to ensure the test accuracy.



### One for all

It covers tests for biochemistry, coagulation, electrolyte, inflammation, creating higher benefits for you with lower costs.



### Small and portable

The analyzer is small and lightweight which will save your laboratory space and allow on-site patient testing.



### Minimal maintenance

There are no easy-wearing parts such as liquid circuit, pump valve, etc., and the single reagent tray is used as a complete set, which is free of cleaning and maintenance.

## Specifications

- **Sample Type**

Anti-coagulation whole blood, serum, plasma

- **Sample Volume**

|                                                                                                         |
|---------------------------------------------------------------------------------------------------------|
| 90-120ul                                                                                                |
| • <b>Bar Code</b>                                                                                       |
| QR Code                                                                                                 |
| • <b>Testing Time</b>                                                                                   |
| 12 minutes/sample                                                                                       |
| • <b>Testing Principle</b>                                                                              |
| Absorption spectroscopy,transmission turbidimetry                                                       |
| • <b>Testing Method</b>                                                                                 |
| End point, kinetic, fixed time, turbidmetry etc                                                         |
| • <b>Temperature</b>                                                                                    |
| 37±0.3℃                                                                                                 |
| • <b>Resolution</b>                                                                                     |
| 0.001 Abs                                                                                               |
| • <b>Cross Contamination</b>                                                                            |
| 0                                                                                                       |
| • <b>QC &amp; Calibrate</b>                                                                             |
| Intelligent QC                                                                                          |
| • <b>Working Condition</b>                                                                              |
| Temperature:10-30℃ Humidity: 30%-70%                                                                    |
| • <b>Light Source</b>                                                                                   |
| 12V/20W, halogen tungsten lamp with lifespanover 2500 hours                                             |
| • <b>Power Supply</b>                                                                                   |
| Input: AC 220V, 50Hz                                                                                    |
| • <b>Power Rating</b>                                                                                   |
| 120VA                                                                                                   |
| • <b>Optical System</b>                                                                                 |
| After the filter spectral, 8 wavelength synchronous detection: 340, 405, 450, 505, 546, 600, 630, 850nm |
| • <b>Display</b>                                                                                        |
| Android 7 inch 800*480, multi-point capacitive touch screen                                             |
| • <b>Storage</b>                                                                                        |
| 500,000 results                                                                                         |
| • <b>Printer</b>                                                                                        |
| Built-in thermal printer                                                                                |
| • <b>Connectors</b>                                                                                     |
| 2 USB ports                                                                                             |
| • <b>Net Weight</b>                                                                                     |
| 4 Kg                                                                                                    |
| • <b>Dimension (L*W*H)</b>                                                                              |
| 191mm*213mm*220mm                                                                                       |

## Vet Chemistry Profiles



The Reagent discs of Seamaty contain integrated components of optical and mechanical functions, and cooperate with the instrument to participate in each stage of blood analysis

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