



# Veterinary Diagnostic Solution

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# Company Profile

Located in Shenzhen, China, Dymind Biotechnology Co., Ltd. is a national-level high-tech enterprise specialized in the R&D, manufacture, sales and service of medical devices and reagents in the field of in-vitro diagnosis.

Dymind is an enterprise driven by innovation, the number of R&D staff accounts for over 40%, the annual R&D expenditure exceeds 20% of revenue. Dymind has a national-level blood cells reference measurement laboratory approved by CNAS.

Dymind always implements the concept of customer-focused, takes the customer demands as the highest purpose. In Dymind, the products quality is strictly controlled thorough the whole process of manufacturing, the product line is expanded rapidly. In the competition with the domestic brands, Dymind holds an increasing market share, which steady ranks second in the blood testing market. Nowadays, Dymind's products and service have been spread over 140 countries and regions around the world. Through increasingly sophisticated joint detection solutions and high quality products and services for clinical diagnosis, Dymind is always taking care of health care with medical innovation.

20%+  
R&D EXPENDITURE

140+  
COUNTRIES AND REGIONS

1600+  
PATENTS SUBMITTED

15+  
OVERSEAS SITES



## DM61 Vet Automatic Hematology Analyzer for Vet



### Why CBC+RET?

Better than MCV+MCHC in regenerative anemia

Observation of prognosis

Analyse Reticulocytosis without anemia (RWA)

Indication for further examination

Auxiliary diagnosis of non-regenerative anemia such as aplastic anemia

|                      |   |
|----------------------|---|
| <b>Principle</b>     | Flow cytometry & Tri-anglescatter for 5-part differential analysis and WBC counting<br>Impedance for WBC/RBC/PLT counting<br>Cyanide-free colorimetric method for HGB calculating<br>Laser scattering method and staining method for RET                            |
| <b>Test Mode</b>     | CBC, CBC+DIFF, CBC+DIFF+Retic   |
| <b>Parameters</b>    | 25 parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, Retic#, Retic%<br>5 scattergrams (including 1 for Baso, 1 for Ret), 3 histograms (including RBC, PLT histograms) |
| <b>Sample Volume</b> | Whole blood mode for CBC+DIFF+RET: ≤35μL      Whole blood mode for CBC, CBC+DIFF: ≤20μL<br>Pre-diluted mode: ≤20μL  |
| <b>Data Storage</b>  | ≥50,000   |
| <b>Throughput</b>    | CBC≥60T/H, CBC+DIFF≥40T/H, CBC+DIFF+Retic≥10T/H   |
| <b>Species</b>       | <b>Group I:</b> cats, dogs. <b>Group II:</b> rabbits, cows, horses, sheep, pig.<br><b>Group III:</b> mouse, rat, guinea pig, monkey, camel.   |
| <b>Size</b>          | 500(D)mm x 360(W)mm x 490(H)mm  |
| <b>Weight</b>        | ≤32KG   |

## DH36 Vet

### 3-Part Auto Hematology Analyzer for Vet



10.4 inches TFT touch screen



Support up to 20 self-defined animal detection modes



Build-in thermal printer, USB external printers (optional)



Small package reagents

|                      |   |
|----------------------|---|
| <b>Species</b>       | 6 species for pet version: cat, dog, rabbit, cow, horse, sheep<br>17 species for scientific research version: Cat, dog, rabbit, cow, horse, sheep, mouse, rat, gerbil, guinea pig, hamsters, chinchilla, hedgehog, ferret, monkey, pig, camel |
| <b>Parameters</b>    | 21 reportable parameters: WBC, Gran#, Lym#, Mid#, Gran%, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCC, P-LCR<br>2 Researchable parameters: EOS#*, EOS%*<br>3 histograms for WBC, RBC and PLT          |
| <b>Throughput</b>    | Up to 35 tests per hour   |
| <b>Sample volume</b> | 17µL  |
| <b>Test mode</b>     | Whole blood mode and pre-diluted mode   |
| <b>Storage</b>       | Up to 50,000 records  |
| <b>Dimension</b>     | 364mm(W)*477mm(D)*417mm(H)  |
| <b>Net weight</b>    | 26kg  |

## DF56 Vet

### 5-Part Auto Hematology Analyzer for Vet



Saving Space: small footprint with built-in reagent position



Abnormal results can be observed clearly and quickly



Multiple species for different scenarios



Apply classic principles: electrical impedance method, colorimetric method and laser-based flow cytometry method

|                      |   |
|----------------------|---|
| <b>Species</b>       | 6 reportable species: cat, dog, rabbit, cow, horse, sheep<br>11 researchable species: mouse, rat, guinea pig, pig, gerbil, hamsters, chinchilla, hedgehog, ferret, monkey, camel  |
| <b>Parameters</b>    | 23 reportable parameters: WBC, Neu%, Neu#, Mon%, Mon#, Lym%, Lym#, Eos%, Eos#, Bas%, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT<br>3 histograms for WBC, RBC and PLT<br>3 DIFF scattergrams and 1 BASO scattergram for WBC differentiation |
| <b>Throughput</b>    | Up to 60 tests per hour   |
| <b>Sample volume</b> | 20µL  |
| <b>Test mode</b>     | Whole blood mode and pre-diluted mode   |
| <b>Storage</b>       | 50,000 records  |
| <b>Dimension</b>     | 364mm(W)*498mm(D)*431mm(H)  |
| <b>Net weight</b>    | 28kg  |

## DF66X Vet

Automatic Hematology Analyzer for Vet



### Why CBC+CRP?

Not affected by multiple drug effects

Initial routine health examination

Rapid response without evident symptoms

Inflammation extent and level feedback

Prognostic and curative effect judgement

|                      |   |
|----------------------|---|
| <b>Principle</b>     | Tri-angle laser scattering & flow cytometry for WBC differentiation<br>Impedance for RBC/PLT counting<br>Cyanide-free colorimetric method for HGB calculating<br>Latex-enhanced nephelometry method for CRP |
| <b>Test Mode</b>     | CBC, CBC+DIFF, CRP, CBC+DIFF+CRP  |
| <b>Parameter</b>     | 25 reportable parameters: WBC, Neu%, Neu#, Lym%, Lym#, Mon%, Mon#, Eos%, Eos#, Bas%, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, CRP<br>3 Histograms & 4 Scattergrams          |
| <b>Sample volume</b> | 29µL  |
| <b>Throughput</b>    | Up to 60T/H   |
| <b>Species</b>       | Reportable species: cat, dog<br>Researchable species: rabbit ,cow, horse, sheep, mouse, rat, guinea pig, pig, gerbil, hamsters, chinchilla, hedgehog, ferret, monkey, camel                                 |
| <b>Data Storage</b>  | ≥50,000   |
| <b>Size</b>          | W*D*H: 360mm*500mm*490mm  |
| <b>Weight</b>        | 32kg  |

## UN73 Vet

3-Part & 5-Part Combined Auto Hematology Analyzer for Vet



Semiconductor Laser-based Flow Cytometry provides comprehensive and accurate information for differentiation



The development of species has been stric tested  
Clinical performance of various species show great.



9 species & 20 self-customized species  
Development for new species is available.



One-button error removal and standby function are available



Display reagent information in real time.  
Easy operation for reagent renew with RF card.

|                      |  |
|----------------------|--|
| <b>Species</b>       | Cow, horse, sheep, pig, alpaca, cat, dog, camel and vicuna   |
| <b>Parameters</b>    | CBC+DIFF:<br>25 reportable parameters+ 6 researchable parameters<br>3 Histograms + 1*3D Scattergrams + 3*2D Scattergrams<br>CBC+3DIFF:<br>21 reportable parameters<br>3 Histograms |
| <b>Throughput</b>    | Up to 80T/H  |
| <b>Sample volume</b> | ≤20µL  |
| <b>Test mode</b>     | CBC+DIFF, CBC+3DIFF  |
| <b>Data Storage</b>  | ≥100,000   |
| <b>Dimension</b>     | W*D*H: 650mm*550mm*610mm   |
| <b>Net weight</b>    | 57.5Kg   |

## DP-H10 Vet

CBC+3-DIFF+CRP/SAA Integrated POCT Hematology Analyzer



Single package, avoid reagent consumption



Short TAT, get diagnosis in first visit



No fluidic path, maintenance free



Small in size, suitable for limited spaces

|                      |  |
|----------------------|--|
| <b>Species</b>       | Cat, dog   |
| <b>Parameters</b>    | WBC, Gran#, Lym#, Mid#, Gran%, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT<br>3 histograms for WBC, RBC and PLT<br>2 specific protein for CRP, SAA |
| <b>Throughput</b>    | Up to 15 tests per hour  |
| <b>Sample volume</b> | 30µL   |
| <b>Test mode</b>     | CBC, CBC+CRP, CBC+SAA  |
| <b>Storage</b>       | 300,000 records  |
| <b>Dimension</b>     | 270mm(W)*300mm(D)*390mm(H)   |
| <b>Net weight</b>    | ≤10kg  |

## DX-C30 Vet

Auto Chemistry Analyzer



### Ease-of-use:

3 steps to get result. Fully automatic procedures, no need to add diluent.

### Micro Sample Volume Required:

Only 100 µL (~2 drops) of whole blood, plasma or serum are needed to run a full comprehensive panel that includes electrolytes.

### Advantages



### Microfluidic Technology:

With preset freeze-drying reagent, the single-use reagent rotor applies advanced microfluidic technology to provide accurate results.

### Minimal Maintenance:

No wearing parts such as pumps, valves, etc. Use xenon light source for long service life.

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|----------------------|--|
| <b>Species</b>       | Cats, Dogs, Rabbits, Mice, Monkeys, Cows, Sheep, Goats, Horses, Pigs, Camels etc., up to 17 species.   |
| <b>Principle</b>     | Absorption spectral colorimetry; Transmission turbidimetry   |
| <b>Interface</b>     | 10.4 inches TFT touch screen<br>Multiple languages available (Chinese, English, Russian, Italian, Spanish, Portuguese, French, German, Czech, Polish, Turkish, Vietnamese) |
| <b>Test time</b>     | 10 minutes/sample  |
| <b>Sample volume</b> | 100µL  |
| <b>Storage</b>       | 50,000 records   |
| <b>Dimension</b>     | 150mm(W)*274mm(H)*248mm(D)   |
| <b>Net weight</b>    | ≤3.5kg   |

## D-wise

### Automatic Veterinary AI Morphology Analyzer



#### Manual traditional method

Cumbersome operation  
Unbearable smell.  
Sometimes Illegible  
No clear report by tools

VS

#### Dymind D-wise

Convenient and quick automation  
Safety and hygiene considered  
Reduce pollution  
Clear and accurate report



#### Automation

"Sample in, result out", automation covers the whole process, easy to operate for everyone



#### Short TAT

Less than 14 minutes for fecal sample, less than 7 minutes for urine sample

|                     |   |
|---------------------|---|
| <b>Principle</b>    | Automatic sampling technology: only add sample without production, the whole process is automatic.<br>Filtration separation technology: enrichment of eggs, exclusion of impurities.<br>AI intelligent recognition technology: instant AI intelligent detection, deep learning. |
| <b>Features</b>     | Fecal parasites: Roundworm, Tapeworm, Whipworm, Hookworm, Trematodes (Flukes), Coccidia, Trichomonad, Giardia<br>Urine sediments: Blood cells, Epithelial cells, Casts, Crystals  |
| <b>Speices</b>      | Dogs, cats, rabbits   |
| <b>Sample types</b> | Feces, anal swab, urine.  |
| <b>Speed</b>        | Less than 14 minutes for fecal sample, less than 7 minutes for urine sample   |
| <b>Consumables</b>  | Disposable consumable set, no cross infection risk  |

## DX-G20 Vet

### Blood Gas Analyzer for Vet



#### Multi-Parameter Analysis

Single usage test card enables measurement of multiple parameters.

#### Smart Operation

Designed for intuitive operation by non-specialized personnel.

#### Advanced Data Connectivity

Supports Ethernet, Wi-Fi, and LIS integration.

#### Easy Maintenance

Utilizes dry chemical sensors with no electrodes or liquid pathways.

#### Portable Design

Compact and light weight with a rechargeable lithium battery.

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|----------------------|---|
| <b>Model</b>         | DX-G20 Vet  |
| <b>Product name</b>  | Blood Gas Analyzer  |
| <b>Principle</b>     | Electrochemistry/Microfluidic method  |
| <b>Parameters</b>    | Testing Parameters:<br>K <sup>+</sup> , Na <sup>+</sup> , Cl <sup>-</sup> , iCa <sup>2+</sup> , pH, pCO <sub>2</sub> , pO <sub>2</sub> , Glu, Lac, Hct<br><br>Calculating Parameters:<br>cH <sup>+</sup> (T), pH(T), pCO <sub>2</sub> (T), pO <sub>2</sub> (T), pO <sub>2</sub> (A-a)(T), pO <sub>2</sub> (a/A)(T), RI(T), pO <sub>2</sub> (T)/FiO <sub>2</sub> , cH <sup>+</sup> , iCa <sup>2+</sup> (7.4), HCO <sub>3</sub> -act, BE(ecf), BE(B), RI, mOsm, pO <sub>2</sub> /FiO <sub>2</sub> , BB(B), AG, sO <sub>2</sub> (est), tHb(est), TCO <sub>2</sub> , pO <sub>2</sub> (A-a), pO <sub>2</sub> (a/A) |
| <b>Sample Type</b>   | Arterial and venous whole blood   |
| <b>Sample Volume</b> | 150 μL  |
| <b>Test Time</b>     | Calibration less than 3 minutes; Measuring time less than 60 seconds  |

|                            |  |
|----------------------------|--|
| <b>Interface</b>           | 8 inches TFT touch screen  |
| <b>Barcode Reader</b>      | Built-in QR barcode scanner identifies reagent automatically                           |
| <b>Species</b>             | Cats, dogs, others   |
| <b>Printers</b>            | Built-in thermal printer; External printers supported via DMS                          |
| <b>Storage</b>             | 100,000 test results and 10,000 quality control results                                |
| <b>Communication</b>       | Ethernet, WIFI, LIS supported; Data Management Software                                |
| <b>Working Environment</b> | Temperature: 18 °C-30 °C;<br>Humidity: 25%~75%;<br>Atmospheric pressure: 86kPa~106kPa; |
| <b>Dimension</b>           | 235mm×210mm×160 mm   |
| <b>Weight</b>              | ≤3kg   |

**DF56 Vet**  
5-Part Auto Hematology  
Analyzer for Vet



**DX-C30 Vet**  
Auto Chemistry Analyzer for  
Vet



**DM61 Vet**  
Automatic Hematology  
Analyzer for Vet



**UN73 Vet**  
3-Part & 5-Part Combined Auto  
Hematology Analyzer for Vet



**DH36 Vet**  
3-Part Auto Hematology  
Analyzer for Vet



# Veterinary Di- agnostic Solu- tion

**DP-H10 Vet**  
CBC+3-DIFF+CRP/SAA  
Integrated POCT  
Hematology Analyzer



**D-wise**  
Automatic AI Morphology  
Analyzer for Vet



**DX-G20 Vet**  
Blood Gas Analyzer for Vet



**DF66X Vet**  
Automatic Hematology  
Analyzer for Vet



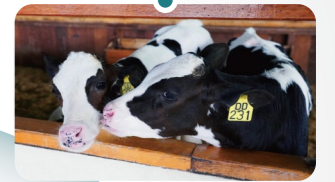
Veterinary laboratory



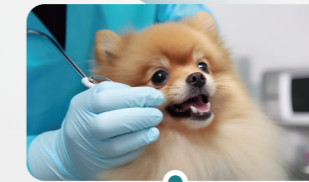
Large-scale agricultural  
(livestock) farms



Animal husbandry epidemic  
prevention stations



## Application Scenarios



Pet hospitals



Research institutes

