

May 2025

In this edition of **The Woodley InSight** - we feature the brand new InSight AI-Cytology Analyser - a 7-Part Differential Analyser providing full blood count with retics, NRBC and cell morphology analysis using AI technology.

See the rear page for the brand new InSight V3-POC - a fast, simple 3-Part Differential Point of Care Haematology System with an integrated single-use reagent cartridge that can test 19 parameters in 1 test.

WOODLEY
EQUIPMENT COMPANY LTD.

Exclusive UK Veterinary Distributors of
MEDCAPTAIN and Penlon Anaesthesia Systems

J.A.K Marketing Ltd

+44 (0) 1204 669033 (Option 1)

sales@woodleyequipment.com



www.woodleyequipment.com

InSight[®] AI-Cytology

Veterinary Haematology Analyser with Morphology

7-Part Differential Analyser providing full blood count with retics, NRBC and cell morphology analysis using AI technology

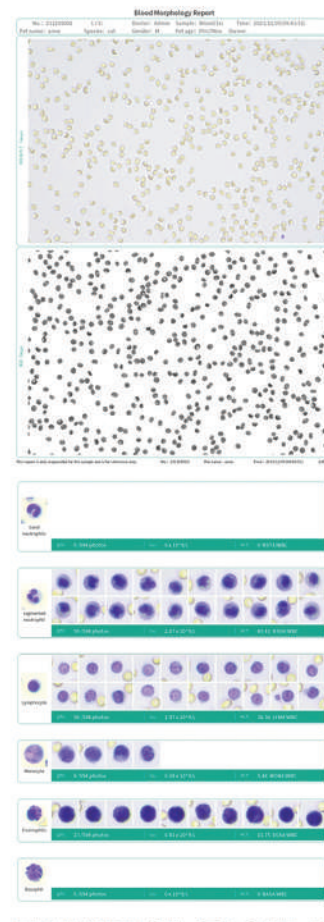
Displays cells as real time conventional images

InSight AI-Cytology is designed for automated, comprehensive testing of blood, faecal & urine sediment samples across various species, including small mammals and reptiles. An integrated solution for morphological examinations in veterinary laboratories.

**BLOOD, FAECAL & URINE
SEDIMENT TESTING ON ONE DEVICE**



Online remote assistance
directly to your analyser



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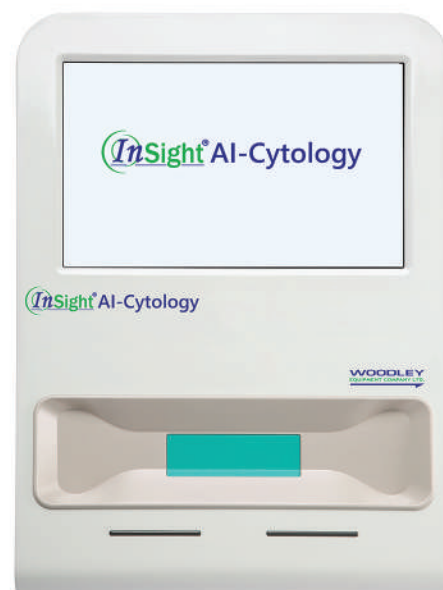
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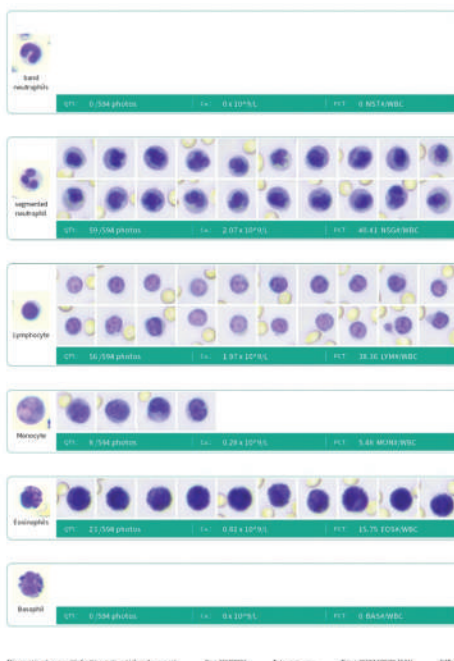
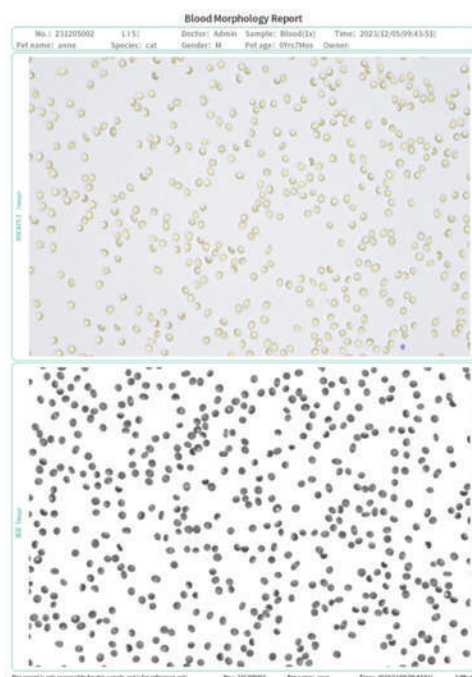
FEATURES

- One device for blood, faecal & urine sediment testing
- Displays cells as real time conventional images
- Blood: 46 parameters + morphological report
- Faeces: 30 parameters + morphological report
- Urine: 21 parameters + morphological report
- Smear Free: Microfluidic technology
- Maintenance Free Design: No liquid lines
- Reagents stored at room temperature
- Online remote assistance directly to your analyser
- Auto-Counting: AI automatically recognises & counts
- Expanded Scope: 1000+ Microscopic fields per sample



Online remote assistance directly to your analyser

BLOOD, FAECAL & URINE SEDIMENT TESTING ON ONE DEVICE



Scan QR Code for more product information and resources



SPECIFICATIONS

Methodology: Chamber slide-based automated microscopy and AI morphology on liquid staining samples

Sample Type: Blood, urine, faeces

Species: Dog, cat, rabbit, chinchilla, mouse, rat, hamster, ferret, turtle

Sample Volume & Testing Time:

Blood - 10µl, 7-9 mins

Urine - 500µl, 9 mins

Faeces - 150µl, 9 mins

Display: Integrated touch screen, 12 inch LCD (1280 x 800 dpi)

Data Connection: USB (3.0), WLAN, network cable

Dimensions: 485 x 485 x 335 (mm)

Weight: 30.8kg

Blood Testing

- Full blood count with retics, NRBC and cell morphology analysis using AI technology
- Test requires just 10µl sample
- Advanced erythrocyte differentiation with CH-CV and CH C-CV scatter plots - precision in morphology and Haemoglobin distribution
- Results within 7.5 mins
- Capability to detect various animal with individual algorithms for each species including: Mammals: Dog, cat, rabbit, chinchilla, rat, mouse, hamster, ferret (and others) Reptiles: Bird, turtle, (other reptiles)
- 46 blood parameters, 7-part differential diagnostics including left shift and right shift, nucleated red blood cells and reticulocytes, ghost cells and spherocytes, large platelet and agglutinated platelets

White Blood Unique Cell Parameters	Band neutrophils (NST; # and %)
	Segmented neutrophils (NSG; # and %)
	Erythrocyte ghost (ETG; # and %)
Red Blood Cell Parameters	Nucleated Red blood cell (NRBC; # and %)
	Reticulocyte (RET; # and %)
	Mean reticulocyte volume (MCVr)
	Reticulocyte distribution width (RDW-CV)
Platelet Parameters	Large Platelet (LPLT; # and %)
	Agglutinated Platelet count (APLT#)
Morphological Report	3-page morphological colour report

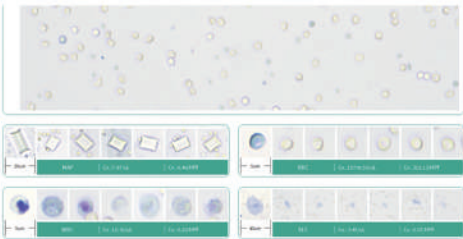


Full blood count with retics, NRBC and cell morphology analysis using AI technology

Urine Testing

- Test requires only 500µl of urine
- No preanalysis, centrifugation or manual staining is required
- Results in 9 minutes
- 21 components with staining: 4 cast types, 6 crystals, 6 cells (including sperm), 3 bacteria and yeasts, lipid droplets, mucus. Unknown objects will also be collected into un-identified category for reviewing
- Analysis based on 1200+ full-fields of view images

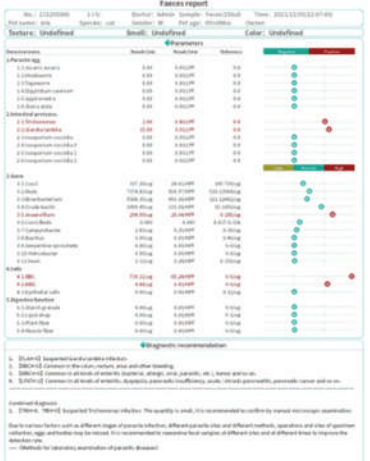
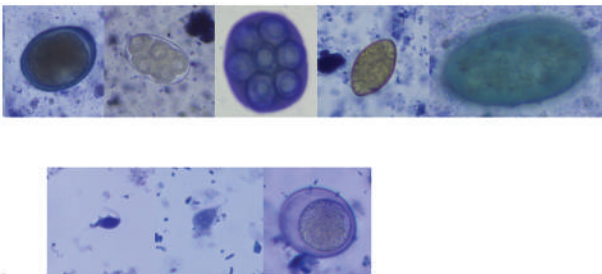
Cast (4 Categories)	Hyaline cast; Cellular cast; Granular cast; Waxy cast
Crystal (6 Categories)	Struvite#; Calcium oxalate monohydrate#; Calcium oxalate dihydrate#; Calcium carbonate#; Uric acid; Cystine
Cells (6 Categories)	WBC; RBC; Renal tubular epithelial cells; Squamous epithelial cells; Transitional epithelial cells
	Sperm
Germ	Cocci; Bacillus; Yeast
Others	Lipid drop; MUCUS



Faeces Testing

- Automated faeces concentration process: No need for flotation or centrifugation, with special flocculant for accelerating enrichment
- Low and high power fields: Low power for nematode egg with clear background, high power for oocysts, microbiome, cells and digestive residue (stained)
- Standard Mode: Results in 9 minutes
- Enhanced Mode: Results in 18 minutes
- Qualitative and quantitative results with high accuracy: Scan through 1200+ full-field of views (Enhanced Mode: 2400+ full field of views)
- AI identification of 30 parameters, with trichomonas protector and flocculantes (for remark and concentrate)

Detection Principle	1300 fields of view
Parasite Eggs (6 Categories)	Ascaris ascaris; Hookworm; Dipylidium caninum; Tapeworm; Sppiometra; Alaria alata
Intestinal Protozoa	Trichomonas
	Giardia lamblia
	3 types of Isosporium coccidia
Germ	Intestinal bacteria
	Pathogenic bacteria (Campylobacter; Bacillus; Serpentine spirochete; Helicobacter; Yeast)
Cells	WBC; RBC; EC
Digestive Function	Starch granule; Lipid drop; Plant fibre; Muscle fibre



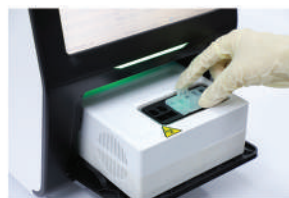
InSight® V3-POC

Point of Care Haematology System

The InSight V3-POC is a fast, simple 3-Part Differential Veterinary Point of Care Haematology System with an integrated single-use reagent cartridge that can test 19 parameters in 1 test.

FEATURES

- Portable - suitable for mobile applications
- No circulating fluids
- Analysis within disposable cartridges
- Suits all level of users
- Tests include CBC & CRP/SAA
- Quick and easy to use
- Run up to 15 tests per hour
- 3-part differential, 19 parameters & specific protein measurement (CRP/SAA)
- Stores up to 300,000 results
- Suitable for infrequent or regular use
- Fully automated
- Touch screen
- Maintenance free
- Small footprint - suitable for areas with limited space



Integrated, single-use reagent cartridge

Available Soon



Scan QR Code for more product information and resources



SPECIFICATIONS

Species: Dog, Cat (more species in development)
Throughput: Up to 15 tests/hour
Principle: Impedance method for WBC/RBC/PLT test
Cyanide-free colorimetric method for HGB test
Immunonephelometry for CRP and SAA test

Sample Volume: 20µl
Sample Type: Venous whole blood, capillary blood
Results Storage: 300,000
Printer: Built-in thermal printer, external printer optional supported

Linearity Range: WBC - (0.00~300.00) $\times 10^9/L$
RBC - (0.00~8.50) $\times 10^{12}/L$
HGB - (0~250)g/L
HCT - (0.0~75.0)%
PLT - (0~4000) $\times 10^9/L$
CRP - (0.2~320)mg/L
SAA - (3~200)mg/L
Test Mode: CBC, CBC+CRP, CBC+SAA

Parameters: 19 Parameters: WBC, LYM%, LYM#, MID%, MID#, GRA#, GRA%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT
2 specific protein parameters: CRP, SAA
3 histograms for WBC, RBC, PLT
Display: 10.4" touch screen
Dimensions: 270 (W) x 385 (H) x 300 (D) mm
Weight: $\leq 13\text{kg}$
Repeatability (CV): WBC - $\leq 4\%$ (3.50~15.00) $\times 10^9/L$
RBC - $\leq 2\%$ (3.50~6.50) $\times 10^{12}/L$
HGB - $\leq 2\%$ (100~180)g/L
HCT - $\leq 3\%$ (35.0~50.0)%
MCV - $\leq 3\%$ (70~110)fL
PLT - $\leq 8\%$ (100~500) $\times 10^9/L$

**MAINTENANCE FREE,
PORTABLE HAEMATOLOGY TESTING**

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