



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.



(Insight Al-Cytology

Veterinary Haematology Analyser with Morphology

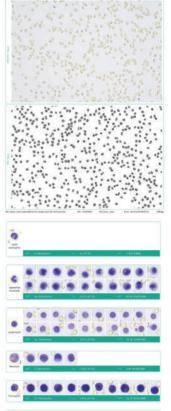
7-Part Differential Analyser providing full blood count with retics, NRBC and cell morphology analysis using AI technology **Displays cells as real time conventional images**

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





"PASSIONATE ABOUT LABORATORY DIAGNOSTICS"

Insight[®]Al-Cytology

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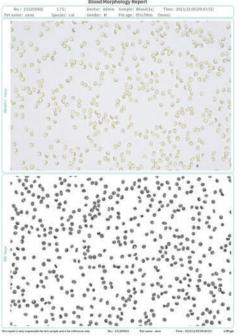
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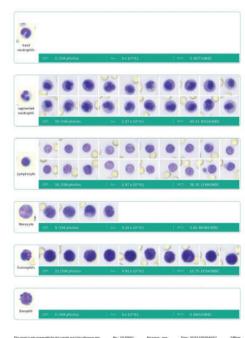
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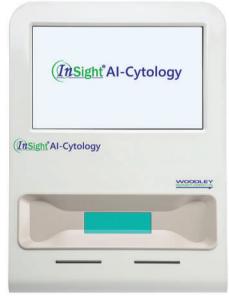
FEATURES

- 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

BLOOD, FAECAL & URINE SEDIMENT TESTING ON ONE DEVICE







Online remote assistance directly to your analyser

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

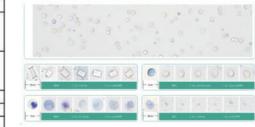
- Full blood count with retics, NRBC and cell morphology analysis using AI technology
- Test requires just 10µl sample
- Advanced erythrocyte differentiation with CH-CV and CH C-CV scatter plots precision in morphology and Haemoglobin distribution
- Results within 7.5 mins
- Capability to detect various 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 %)				
	Nucleated Red blood cell (NRBC; # and %) Reticulocyte (RET; # and %) Mean reticulocyte volume (MCVr)				
Red Blood Cell Parameters					
				Reticulocyte distribution width (RDWr-CV)	
	Platelet Parameters	Large Platelet (LPLT; # and %)			
Agglutinated Platelet count (APLT#)					
Morphological Report	3-page morphological colour report				

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

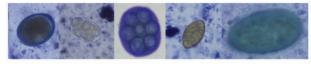
Cast (4 Categories)	Hyaline cast; Cellular cast; Granular cast; Waxy cast			
Crystal (6 Categories)	Struvite#; Calcium oxalate monohydrate#; Calcium oxalate dihydrate#; Calcium carbonate#; Uric acid; Cystine			
Cells (6 Categories)	WBC; RBC; Renal tubular epithelial cells; Squamous epithelial cells;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

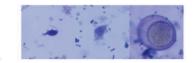


Faeces Testing

- 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)
- Al indentification of 30 parameters, with trichomonas protector and floculantes (for remark and concentrate)

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

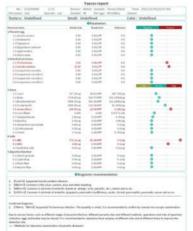




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Full blood count with retics, NRBC and cell morphology analysis using AI technology

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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

SPECIFICATIONS

Dog, Cat (more species in development) **Species:** 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)x10⁹/L RBC - (0.00~8.50)x10¹²/L HGB - (0~250)g/L HCT - (0.0-75.0)% PLT - (0~4000)x109/L CRP - (0.2~320)mg/L SAA - (3~200)mg/L CBC, CBC+CRP, CBC+SAA **Test Mode:**

WOODLE EQUIPMENT COMPANY LTD.

Tel: +44 (0) 1204 669033 (Option 1) Email: sales@woodleyequipment.com Web: www.woodleyequipment.com



Integrated, single-use reagent cartridge

Available Soon

Parameters:

Display:

Weight:

Dimensions:



Scan QR Code for more product information and resources



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 10.4" touch screen 270 (W) x 385 (H) x 300 (D) mm ≤13kg **Repeatability (CV):** WBC - ≤4% (3.50~15.00)x10⁹/L RBC - ≤2% (3.50~6.50)x10¹²/L HGB - ≤2% (100~180)g/L HCT - ≤3% (35.0-50.0)% MCV - ≤3% (70~110)fL PLT - ≤8% (100~500)x10⁹/L

MAINTENANCE FREE, PORTABLE HAEMATOLOGY TESTING

"PASSIONATE ABOUT LABORATORY DIAGNOSTICS"