NEOVET DX

AI Multifunctional Morphological Analyzer

Neopod-A1 VET

Nexlab Co., Ltd.

400-902-9828 Neovet_Dx@asintec.com www.neovetdx.com

AI Multifunctional Morphological Analyzer

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Blood · Urine · Feces · Pleural and ascitic fluid

Precise · Efficient · Intelligent · Economical

Instrument Technical Specification

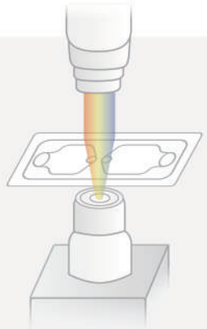
Item	Specification
Display	10.1 - inch touch - screen, 1024*768 resolution
Detection Time	8 minutes/sample
Input Power Supply	AC 100-240V 50/60Hz
Dimension	350mm*400mm*450mm
Detection Module	Multifunctional morphological analysis module, fluorescence immunoassay module

Test parameters

RBC			WBC			PLT	FIA
HGB	RDW-SD	NRBC#	NEU#	BAS#	LYM%	MPV	cCRP
HCT	RET#	NRBC/WBC%	NST#	NSH#	MON%	PDW	fSAA
MCV	RET%	NRBC/RBC%	NSG#	NEU%	EOS%	PCT	
MCH	HDW-CV	SPH#	LYM#	NST/WBC%	BAS%	P-LCC	
MCHC	ETG#	SPH%	MON#	NST/NEU%	NSH/WBC%	APLT#	
RDW-CV	ETG%	AGG#	EOS#	NSG%	NSH/NEU%	PDW-CV	
						P-LCR	

More test items are under continuous development

Product Features



Ultra-high Resolution
Obtain high-definition imaging with 0.6ul ultra-high resolution

Multi-spectral with uncompressed High-definition Imaging
Effectively display the characteristics of blood cells and formed elements under different spectra, and obtain more abundant multi-dimensional cell data

AI Intelligent Focusing
Innovative intelligent focusing algorithm, which can efficiently, accurately and quickly obtain clear images

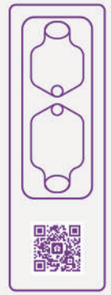
Lens

Reagent

Innovative Suspended Cell Technology
More accurate detection, not missing any cell

Liquid-phase thin-layer with double-staining Technology
No need for cumbersome steps such as fixation and elution, higher staining efficiency, stable and reliable results

Intelligent Temperature Control System
Strict in-machine temperature control and sample adding sequence control, avoiding result deviation caused by manual operation, and more accurate results



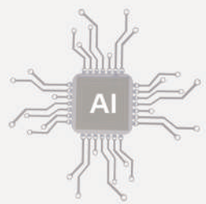
Blood Cells
Reticulocytes · Band-shaped neutrophils · Segmented neutrophils

Urine Formed Elements
Casts · Crystals · Cells

Fecal Formed Elements
Parasite eggs · Intestinal protozoa · Pathogenic Microorganisms

More test items are under continuous development

Chip



Super-powerful processor
Industrial grade high performance octa-core embedded neural network edge processor

Self-developed ISP real-time algorithm
Achieve the identification and clear and stable imaging of cells and formed elements in samples under different scenarios

AI Data Training
Trained with data of more than 30,000 instruments

Operation

01 Sample Collection > 02 Automatic Sampling > 03 Intelligent Recognition · Super-strong Algorithm · Automatic Shooting > 04 Report Generation