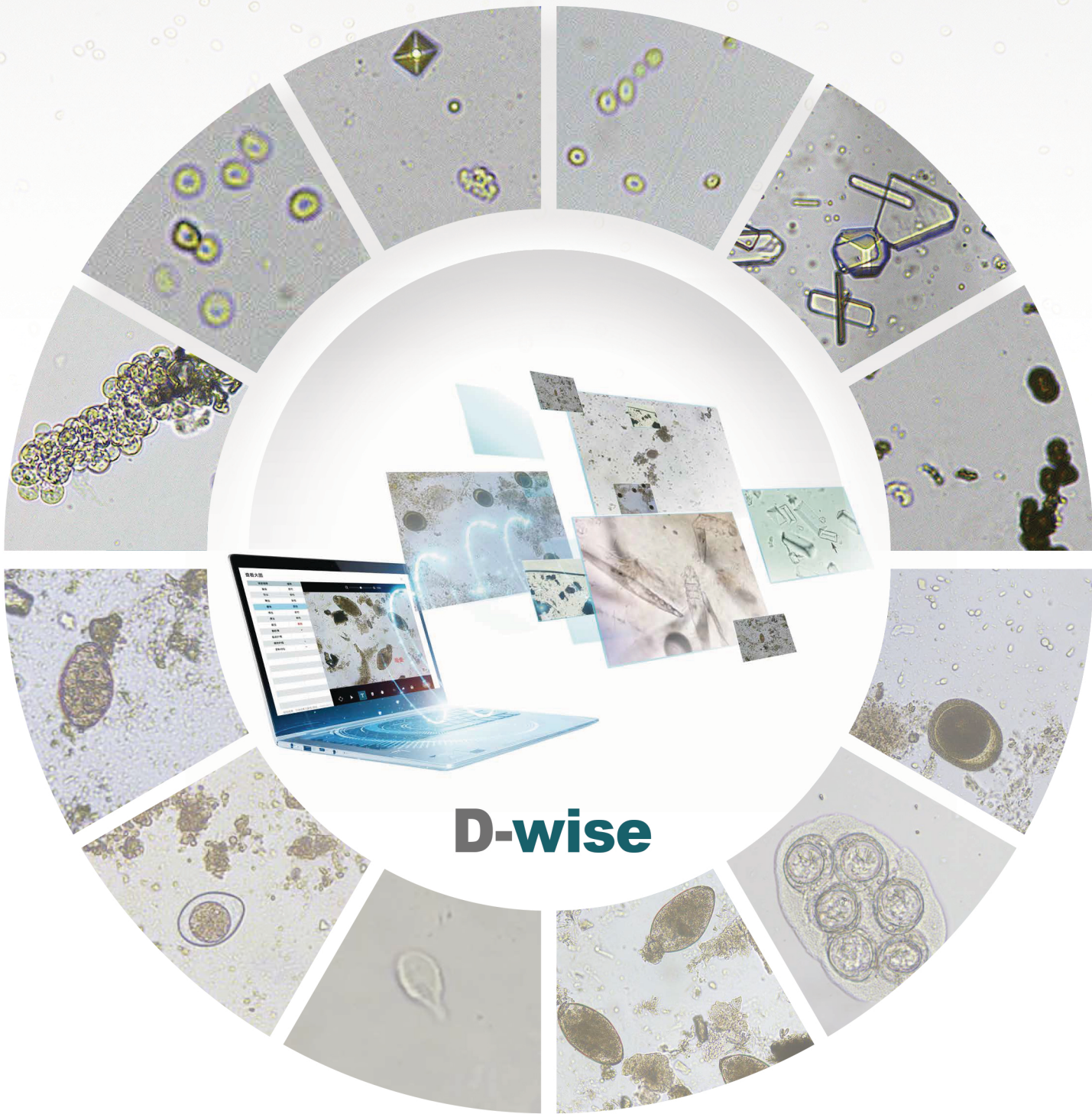


D-wise AI Urine Sediment Analysis

Urine sediment analysis is a significant component of routine urinalysis, that can detect hidden abnormalities in urinary tract, kidney, liver and so on.

D-wise provide a powerful tool to analyze urine sediment powered by deep-learning AI technology, allows semi-quantitative detection of **cells, casts, and crystals**.



Principles

Fully Automatic Sampling Technology: add sample without preparation, the whole process is automatic. (Available in fecal samples)

AI intelligent recognition technology: instant AI intelligent detection, deep learning

Sample Types: Feces, Urine

Filtration separation technology: enrichment of eggs, exclusion of impurities.

Species: Dog, Cat, Rabbit

Detection in Feces

Roundworm
Tapeworm
Whipworm
Hookworm
Trematodes (Flukes)
Coccidia
Trichomonad
Giardia

Detection in Urine

Blood cells
White blood cells (WBCs)
Red blood cells (RBCs)
Epithelial cells
Squamous
Nonsquamous

Casts
Hyaline
Nonhyaline
Crystals
Calcium oxalate dihydrate
Struvites
Unclassified (all other crystals)

More parameters available in the future



Automation

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



Expanding flexibility

Support the upgrade of different functions and parameters, offer numerous choices according to the situation.



Short TAT

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



مؤسسة حسيس
للتجارة



D-wise

Automatic Veterinary AI Morphology Analyzer

Why D-wise

Routinely laboratory tests are the key to ensure pet's health.



Pet owners

Understand the health status of pets in real time and take preventive measures in time.

Require one device with multiple functions, can work efficiently and detect accurately.



Veterinarian



D-wise

A platform with a variety of detection functions combined with AI functions

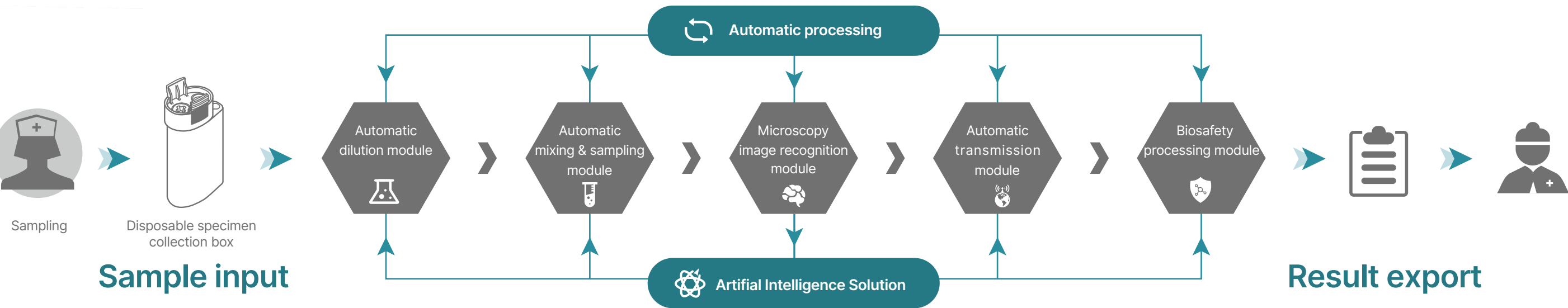
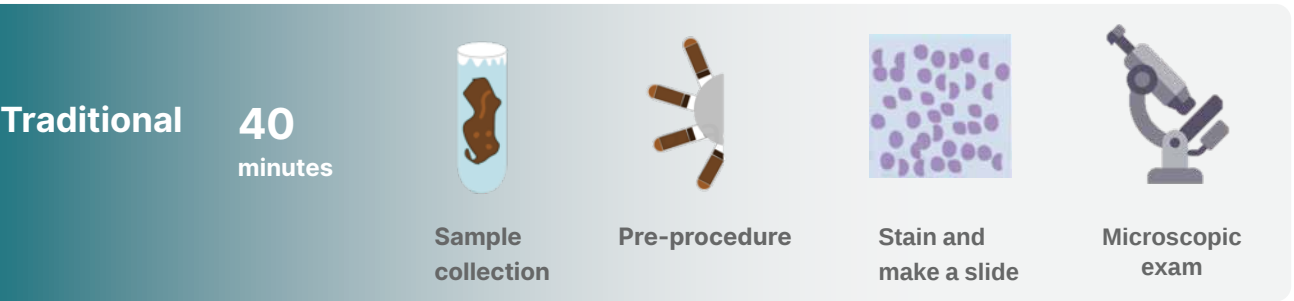
Applicable to the clinical environment of animals, applying its two main functions: fecal parasite test and urine sediment test, D-wise can greatly improves the detection efficiency and accuracy of results, and makes the microscopic examination process easier, more intelligent, standardized, and professional.

Internal parasites are very common in small animals.

According to Companion Animal Parasite Council (CAPC), fecal screening should be done at least twice a year for all adult dogs.

Traditionally, these tests are performed following procedure, first centrifuge or undisturbed fecal flotation to isolate parasite eggs, stain and make a slide, then examine under the microscope. The procedure is complicated and hard to performed by an untrained staff.

D-wise, using the cutting-edge technology to provide a simple test procedure to realize a “sample-in, result-out” scenario.



Case Study

- Patient**
Benny, 8-month-old Welsh corgi
- History and Presenting Reason**
Benny was coughing for a month and has been fed with cephalexin. 2 days ago Benny’ s owner observed the dog lost appetite and started retching. Other symptoms shown including occasionally diarrhea and vomiting. Benny was dewormed once at 1-month-old, he has been keeping regular immunization.
- Laboratory Findings**
5-Diff CBC test shows high eosinophils level, indicates allergy or parasitic infection.

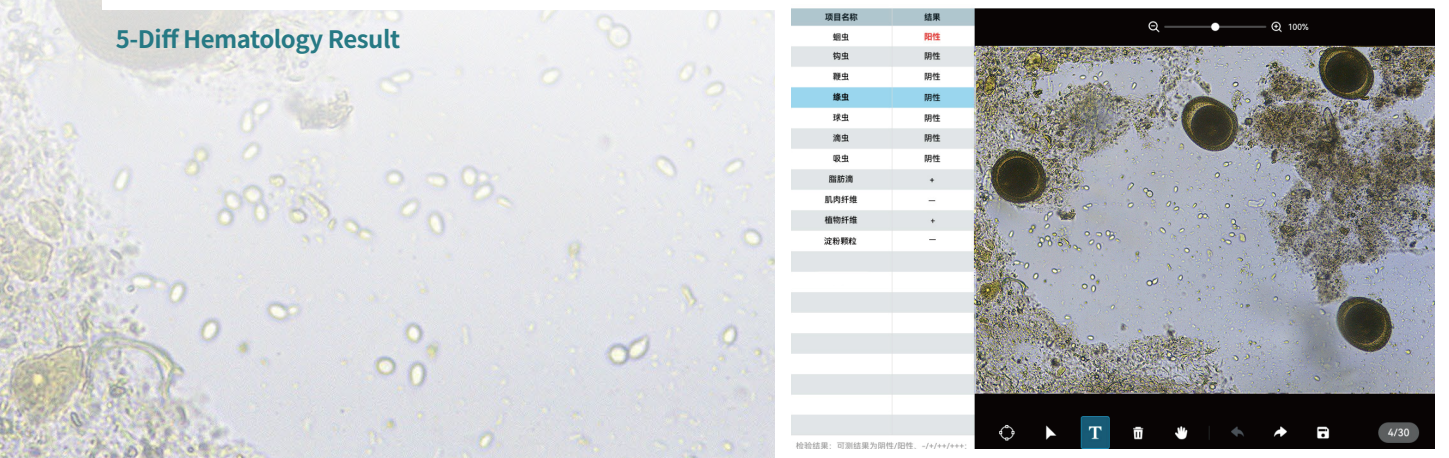


5-Diff hematology: with elevated eosinophils, allergy or parasiticinfection was considered.

Dymind automatic AI intelligent detection system: roundworm eggs discovered.

Parameters	Result	Unit	Parameters	Result	Unit
WBC	17.00	10 ⁹ /L	RBC	7.24	10 ¹² /L
Neu%	57.6	%	HGB	162	g/L
Lym%	14.9	%	HCT	45.3	%
Mon%	7.2	%	MCV	62.6	fL
Eos%	↑ 20.0	%	MCH	22.4	pg
Bas%	0.3	%	MCHC	358	g/L
Neu#	9.79	10 ⁹ /L	RDW-CV	14.4	%
Lym#	2.53	10 ⁹ /L	RDW-SD	37.6	fL
Mon#	1.22	10 ⁹ /L	PLT	199	10 ⁹ /L
Eos#	↑ 3.40	10 ⁹ /L	MPV	10.5	fL
Bas#	0.05	10 ⁹ /L	PDW	18.5	fL
			PCT	0.209	%

5-Diff Hematology Result



Roundworm Positive