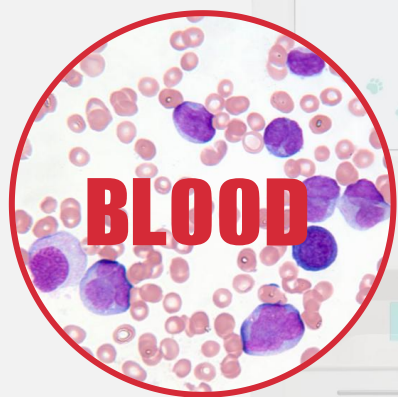




Small Animal Veterinary **3-in-1** Automated AI Morphology Analyzer



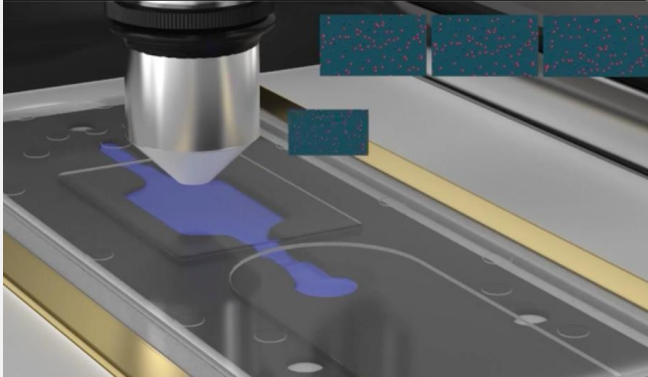
AI-100Vet

Your In-house AI morphology expert





What is AI-100Vet?



An automated microscope



A multiple-function sample preparing and examining platform



A deep-learning AI morphologist and parasitologist



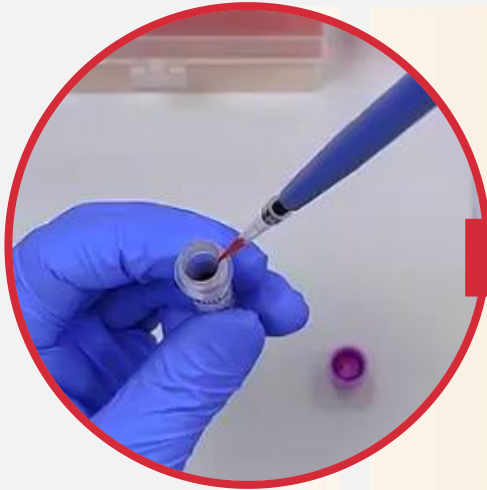
An effective screening tool for clinics/hospitals



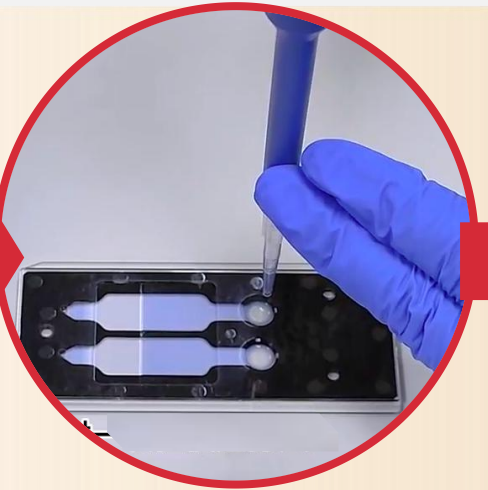
Automated with 3 Simple Steps



within
7-10 min!



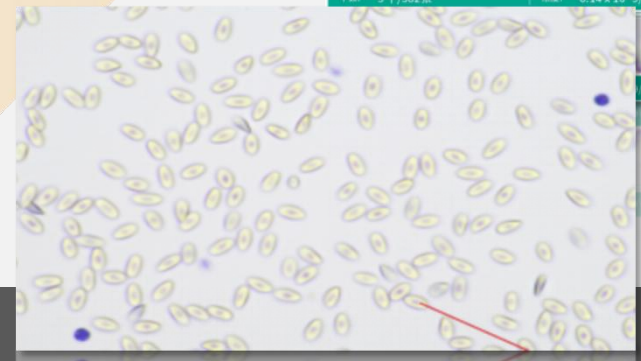
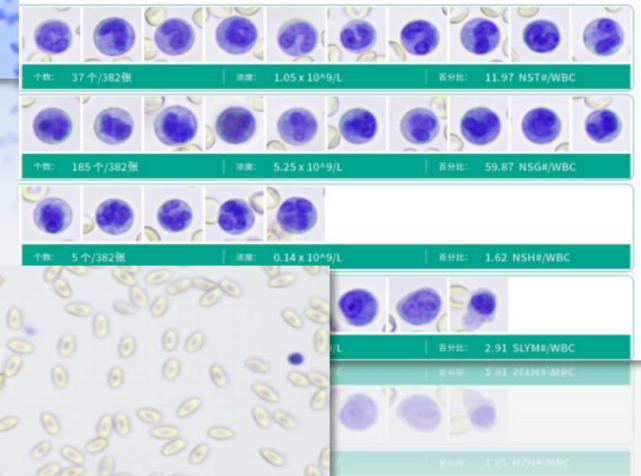
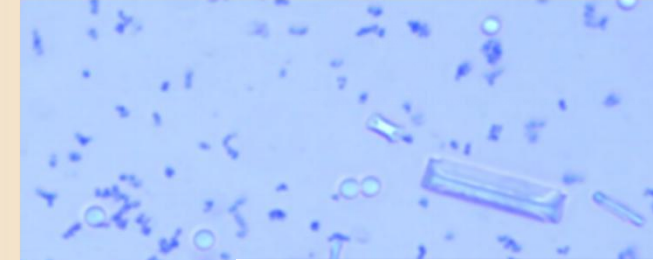
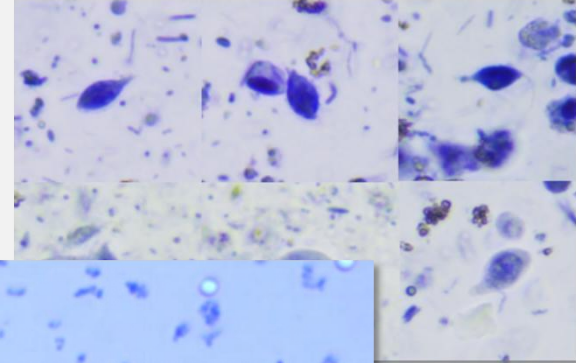
1. liquid staining
(10-500ul sample)



2. chamber
injection

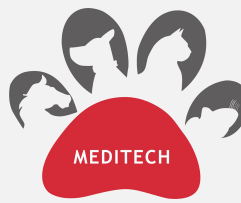


3. plug in
and start





Special features of the 3-in-1 Innovation What AI-100Vet Can 'SEE':



Casts with patho. diff.

46 x Blood Parameters

Reticulocysts,
nucleated RBC

ETG/SPH/AGG RBC

Band/Seg. Neutrophil
(Left/right shift)

Large & Agg. Platelet

Reptils, (birds)

Stained Cytology

21 x Urine

URINE

6x Crystals

Parameters

30 x Feces Parameters

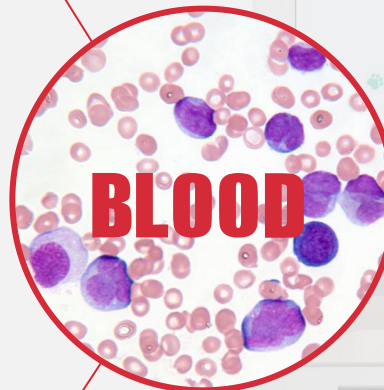
6x Helminths eggs

Giardia, Trichomonas,
Isospora

Intestinal flora/patho.
bacteria

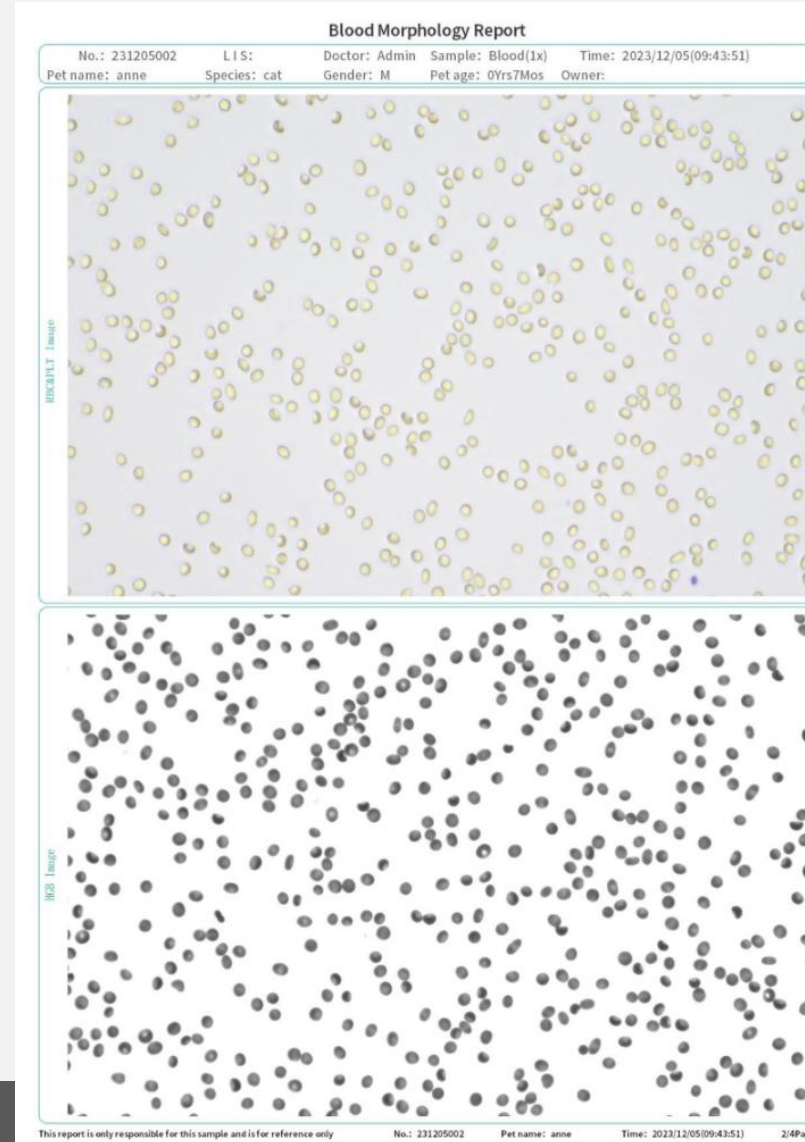
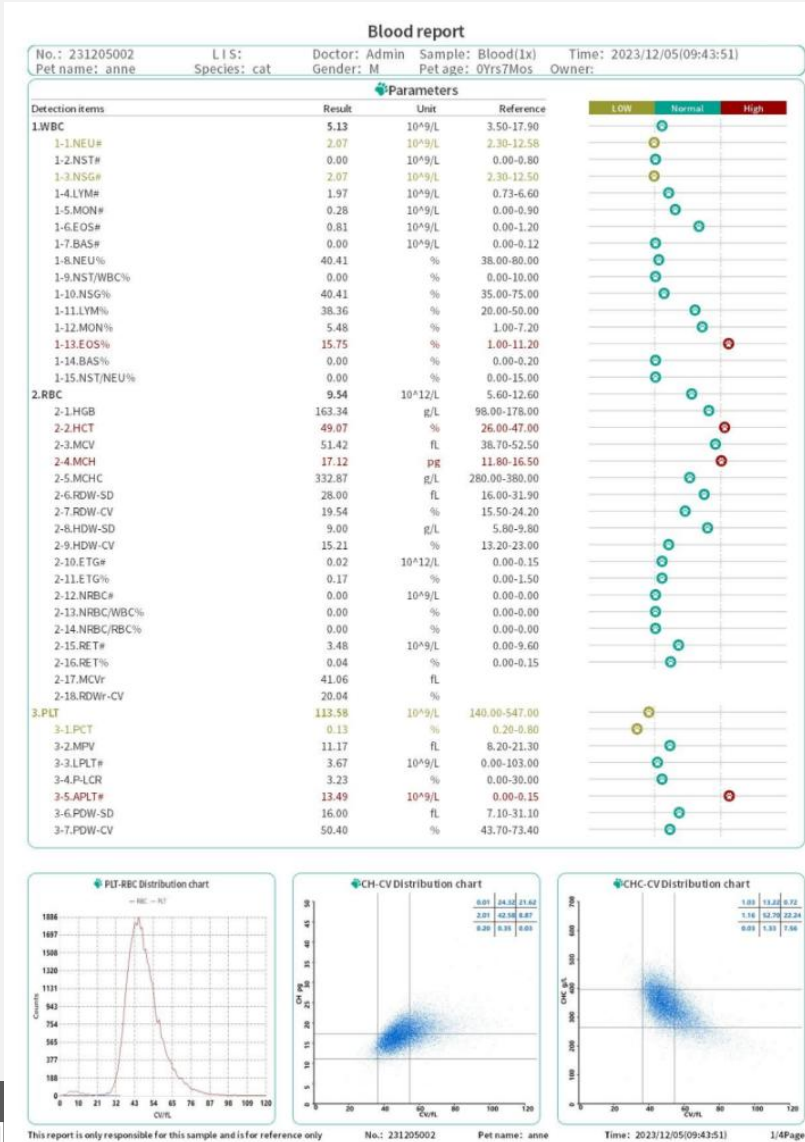
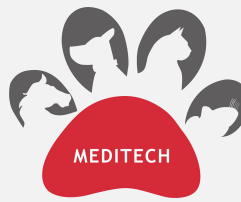
Cells (intestinal bleeding
& inflammation)

Digestion function





Blood Report with 45 Parameters (with reticulocyt, band neutrophil, etc.)



Accuracy over 95% (compare with Sysmex XN-1000 and manual microscopy)



Blood Report

band neutrophils

QTY: 0 /594 photos | Co.: $0 \times 10^9/L$ | PCT: 0 NST#/WBC

segmented neutrophil

QTY: 59 /594 photos | Co.: $2.07 \times 10^9/L$ | PCT: 40.41 NSG#/WBC

Lymphocyte

QTY: 56 /594 photos | Co.: $1.97 \times 10^9/L$ | PCT: 38.36 LYM#/WBC

Monocyte

QTY: 8 /594 photos | Co.: $0.28 \times 10^9/L$ | PCT: 5.48 MON#/WBC

Eosinophils

QTY: 23 /594 photos | Co.: $0.81 \times 10^9/L$ | PCT: 15.75 EOS#/WBC

Basophil

QTY: 0 /594 photos | Co.: $0 \times 10^9/L$ | PCT: 0 BAS#/WBC

This report is only responsible for this sample and is for reference only No.: 231205002 Pet name: anne Time: 2023/12/05/09:43:51 3/4Page

normocyte

QTY: 2266 /108 photos | Co.: $4.38 \times 10^{12}/L$ | PCT: 76.43 Normocyte#/RBC

normochromic

QTY: 15000 /54 photos | Co.: $5.8 \times 10^{12}/L$ | PCT: 76.04 Normochromic#/RBC

macrocyte

QTY: 4718 /108 photos | Co.: $0.91 \times 10^{12}/L$ | PCT: 16.33 Macrocyte#/RBC

hyperchromic erythrocyte

QTY: 2905 /54 photos | Co.: $1.15 \times 10^{12}/L$ | PCT: 15.03 Hyperchromic#/RBC

microcyte

QTY: 1518 /108 photos | Co.: $0.29 \times 10^{12}/L$ | PCT: 5.25 Microcyte#/RBC

hypochromic erythrocyte

QTY: 1761 /54 photos | Co.: $0.68 \times 10^{12}/L$ | PCT: 8.93 Hypochromic#/RBC

Erythrocyte Ghost

QTY: 88 /108 photos | Co.: $0.02 \times 10^{12}/L$ | PCT: 0.17 ET G#/RBC

NRBC

QTY: 0 /594 photos | Co.: $0 \times 10^9/L$ | PCT: 0 NRBC#/RBC

Reticulocyte

QTY: 18 /108 photos | Co.: $3.46 \times 10^9/L$ | PCT: 0.04 RET#/RBC

large platelet

QTY: 19 /108 photos | Co.: $3.67 \times 10^9/L$ | PCT: 3.23 LPLT#/PLT

agglutinating platelets

QTY: 394 /594 photos | Co.: $13.49 \times 10^9/L$ | PCT: 11.87 APLT #/(APLT +PLT)

Diagnostic recommendation

Single diagnosis:

一、[WBC]

- [NEU#<2.30] It is common in serious disease consumption, poisoning, physical and chemical damage and so on.

二、[RBC]

- [HCT>47.00] It is common in dehydration, use of catecholamines, compensatory or pathological increase of erythropoietin, adrenocortical hyperfunction, hyperthyroidism, limb hypertrophy and so on.

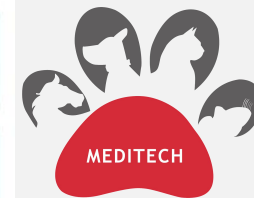
三、[PLT<140.00] It is common in sample agglutination, hemorrhage, platelet destruction, organ detention, insufficient bone marrow formation, drug induction and so on.

- [PCT<0.2] It suggests thrombocytopenia.

- [APLT#>0.15] It is suggested that coagulation and azotemia are common in immune-mediated thrombocytopenia, infectious diseases, malignant tumors, heart disease, drug-induced disorders and so on.

AI- Interpretation of Diagnostics

This report is only responsible for this sample and is for reference only No.: 231205002 Pet name: anne Time: 2023/12/05/09:43:51 4/4Page



Urine Morphology Report with 21 Parameters

Urine report					
No.: 231205008	L I S:	Doctor: Admin	Sample: Urine	Time: 2023/12/05(14:24:35)	
Pet name: Emmm	Species: dog	Gender: M	Pet age: 0Yrs0Mos	Owner:	
Color: Yellow		Pellucidity: Clear and		Co.: 1x	
Parameters					
Detection items	Result/Unit	Result/Unit	Reference	Negative	Positive
1.Cast					
1-1.Hyaline cast	0.00/uL	0.00/LPF	0-0.8/uL	-	
1-2.Cellular cast	0.00/uL	0.00/LPF	0-0/uL	-	
1-3.Granular cast	0.00/uL	0.00/LPF	0-0/uL	-	
1-4.Waxy cast	0.00/uL	0.00/LPF	0-0/uL	-	
2.Crystal					
2-1.Struvite#	7.87/uL	0.46/HPF	0-5/uL	-	+
2-2.Calcium oxalate monohydrate#	0.00/uL	0.00/HPF	0-0/uL	-	
2-3.Calcium oxalate dihydrate#	0.00/uL	0.00/HPF	0-3/uL	-	
2-4.Calcium carbonate#	0.00/uL	0.00/HPF	0-0/uL	-	
2-5.Uric acid	0.00/uL	0.00/HPF	0-0/uL	-	
2-6.Cystine	0.00/uL	0.00/HPF	0-0/uL	-	
3.Cells					
3-1.RBC	15798.50/uL	310.13/HPF	0-25/uL	-	++++
3-2.WBC	10.36/uL	0.20/HPF	0-25/uL	-	
3-3.Renal tubular epithelial cell	0.00/uL	0.00/HPF	0-0/uL	-	
3-4.Squamous epithelial cell	3.45/uL	0.07/HPF	0-7/uL	-	
3-5.Transitional epithelial cell	0.00/uL	0.00/HPF	0-3/uL	-	
3-6.Sperm	0.00/uL	0.00/HPF	0-0/uL	-	
4.Germ					
4-1.Cocci	22.69/uL	1.34/HPF	0-0/uL	-	+
4-2.Bacillus	0.00/uL	0.00/HPF	0-0/uL	-	
4-3.Yeast	0.00/uL	0.00/HPF	0-0/uL	-	
5.Others					
5-1.Lipid drop	66.88/uL	5.25/HPF	0-160/uL	-	
5-2.MUCUS	0.00/uL	0.00/LPF	0-3/uL	-	

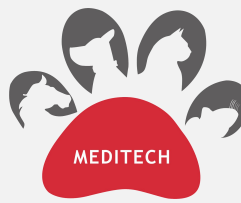
Diagnostic recommendation

- [Yellow] It is common in normal urine.
- [MAP#>5] It is common in urinary tract bacterial infection, low urine volume, alkaline urine or elevated magnesium level in diet.
- [COS#>0] There are many interference factors (such as amorphous crystallization, etc.) in bacterial detection of suspected cocci overgrowth or urinary tract cocci infection. This result is for reference only. It is recommended to confirm bacterial culture.
- [RBC#>25] Common in urinary tract bleeding (cystitis, urinary calculi, urinary crystallization).

Urine Morphology Report					
No.: 231205008	L I S:	Doctor: Admin	Sample: Urine	Time: 2023/12/05(14:24:35)	
Pet name: Emmm	Species: dog	Gender: M	Pet age: 0Yrs0Mos	Owner:	

- Casts
- Crystals
- Cells
- Germs
- Mucus Sperms
- ...

Feces Report with 30 Parameters



Faeces report

No.: 231205006 LIS: Doctor: Admin Sample: Feces(150ul) Time: 2023/12/05(12:07:49)
 Pet name: mix Species: cat Gender: M Pet age: 0Yrs0Mos Owner:

Texture: Undefined Smell: Undefined Color: Undefined

Detection items	Parameters			Result	
	Result/Unit	Result/Unit	Reference	Negative	Positive
1. Parasite egg					
1-1. Ascaris ascaris	0.00	0.00/LPF	0-0	○	
1-2. Hookworm	0.00	0.00/LPF	0-0	○	
1-3. Tapeworm	0.00	0.00/LPF	0-0	○	
1-4. Dipylidium caninum	0.00	0.00/LPF	0-0	○	
1-5. Spirometra	0.00	0.00/LPF	0-0	○	
1-6. Alaria alata	0.00	0.00/LPF	0-0	○	
2. Intestinal protozoa					
2-1. Trichomonas	2.00	0.40/LPF	0-0		○
2-2. Giardia lamblia	15.00	3.01/LPF	0-0		○
2-3. Isosporium coccidia	0.00	0.00/LPF	0-0	○	
2-4. Isosporium coccidia 0	0.00	0.00/LPF	0-0	○	
2-5. Isosporium coccidia 1	0.00	0.00/LPF	0-0	○	
2-6. Isosporium coccidia 2	0.00	0.00/LPF	0-0	○	
3. Germ					
3-1. Cocci	317.29/ug	28.01/HPF	145-729/ug	○	
3-2. Rods	7374.83/ug	650.97/HPF	510-13904/ug	○	
3-3. Brevibacterium	5589.35/ug	493.36/HPF	321-12462/ug	○	
3-4. Crude bacilli	1490.49/ug	131.56/HPF	15-1650/ug	○	
3-5. Anaerofilum	294.99/ug	26.04/HPF	0-185/ug		○
3-6. Cocci/Rods	0.043	0.043	0.017-0.156	○	
3-7. Campylobacter	2.83/ug	0.25/HPF	0-30/ug	○	
3-8. Bacillus	0.00/ug	0.00/HPF	0-40/ug	○	
3-9. Serpentine spirochete	0.00/ug	0.00/HPF	0-0/ug	○	
3-10. Helicobacter	0.00/ug	0.00/HPF	0-0/ug	○	
3-11. Yeast	3.13/ug	0.28/HPF	0-150/ug	○	
4. Cells					
4-1. RBC	739.11/ug	65.24/HPF	0-5/ug		○
4-2. WBC	4.84/ug	0.43/HPF	0-0/ug		○
4-3. Epithelial cells	0.00/ug	0.00/HPF	0-12/ug	○	
5. Digestive function					
5-1. Starch granule	0.00/ug	0.00/HPF	0-9/ug	○	
5-2. Lipid drop	0.00/ug	0.00/HPF	0-1/ug	○	
5-3. Plant fiber	0.00/ug	0.00/HPF	0-0/ug	○	
5-4. Muscle fiber	0.00/ug	0.00/HPF	0-0/ug	○	

Diagnostic recommendation

- [FLA#>5] Suspected Giardia lamblia infection.
- [RBC#>5] Common in the colon, rectum, anus and other bleeding.
- [WBC#>0] Common in all kinds of enteritis (bacterial, allergic, viral, parasitic, etc.), tumor and so on.
- [LFAT#>1] Common in all kinds of enteritis, dyspepsia, pancreatic insufficiency, acute / chronic pancreatitis, pancreatic cancer and so on.

Combined diagnosis:
 1. [TR#>6, TR#>0] Suspected Trichomonas infection. The quantity is small, it is recommended to confirm by manual microscopic examination.

Due to various factors such as different stages of parasite infection, different parasite sites and different methods, operations and sites of specimen collection, eggs and bodies may be missed. It is recommended to reexamine fecal samples at different sites and at different times to improve the detection rate.
 — (Methods for laboratory examination of parasitic diseases)

Feces Morphology Report

No.: 231205006 LIS: Doctor: Admin Sample: Feces(150ul) Time: 2023/12/05(12:07:49)
 Pet name: mix Species: cat Gender: M Pet age: 0Yrs0Mos Owner:

Parasite

Germs

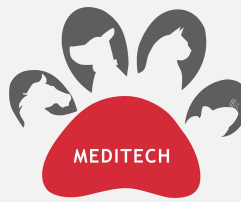
Cells

Plant fibers, muscle fibers, lipid droplets, starch granules



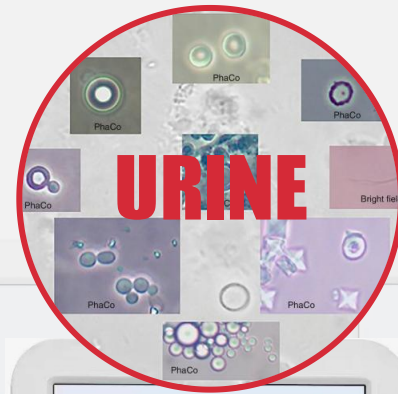
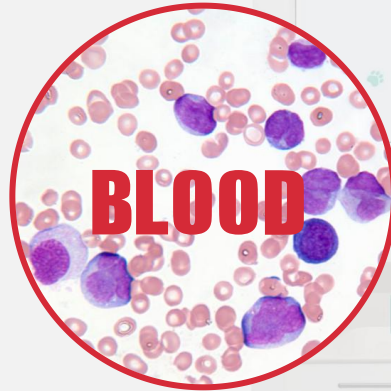
Special features of the 3-in-1 Innovation

What AI-100Vet Can HELP:



Save Time
Save Labor
Save Money

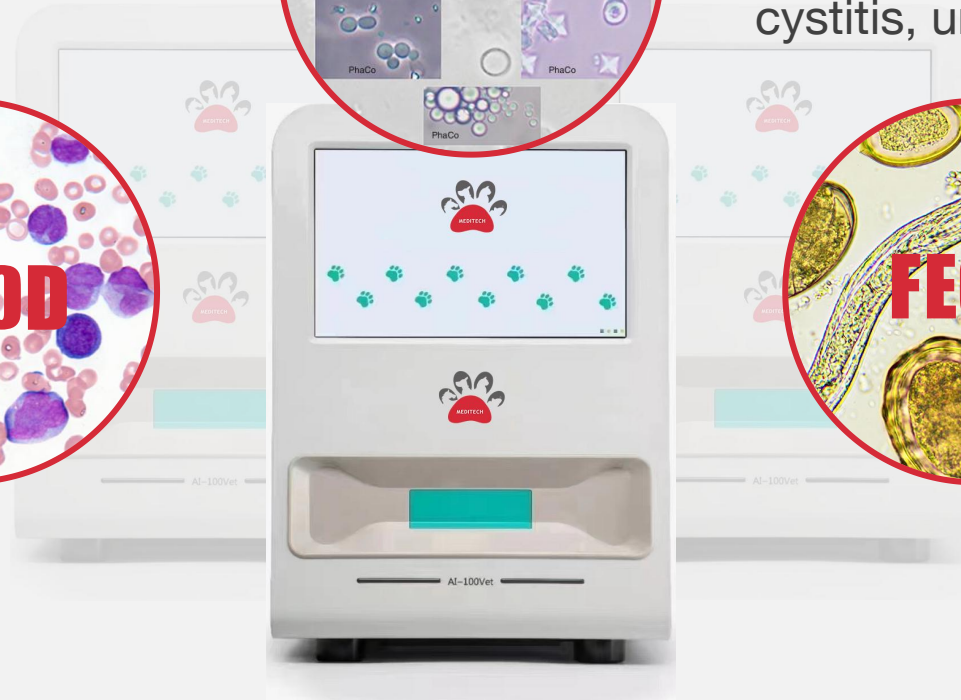
- Anemia differential
- Haemolysis/IMHA screening
- Left shift (infection monitoring)
- Thrombopenia confirming
- Exotic animals



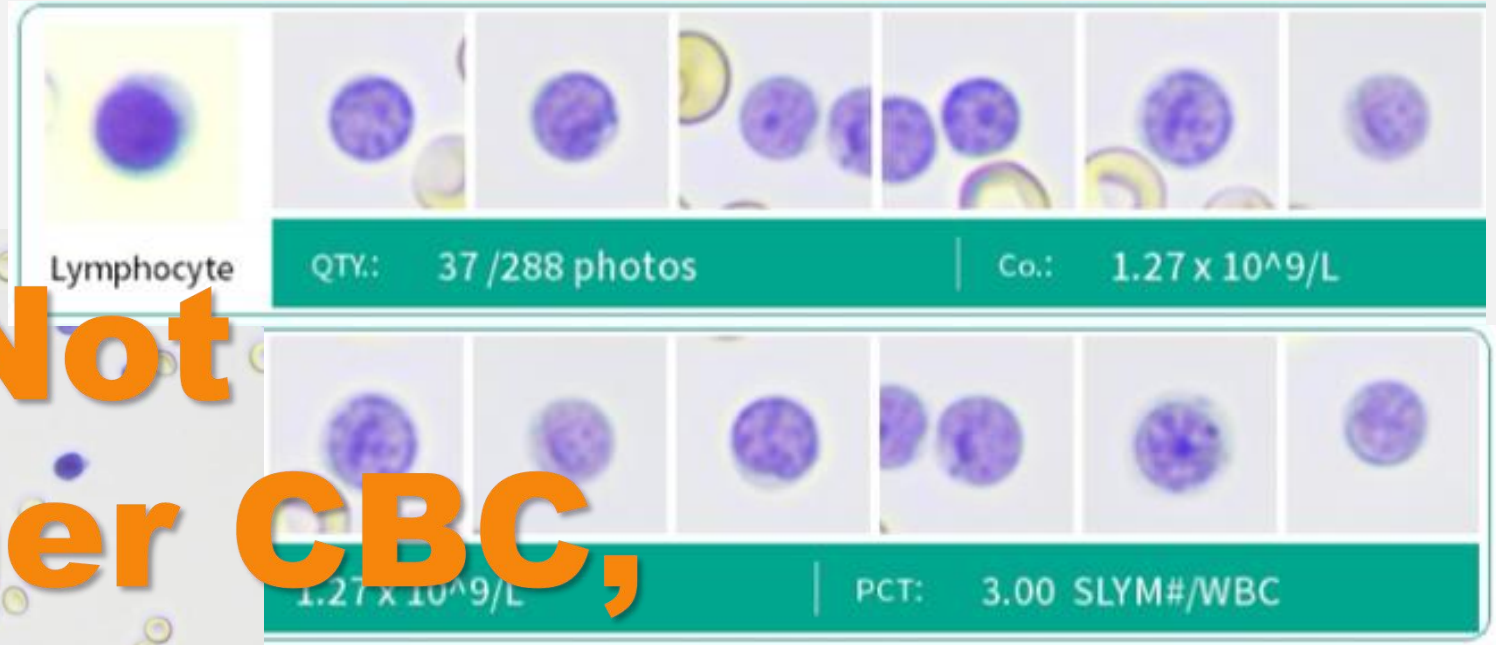
- Acute Kidney cystitis, uroliths...



- Parasites infection Dx and Tx monitoring
- Dysbiosis and/or intestinal bact. infection
- EPI screening



AI-100Vet



**Not
another CBC,
but
Morphology!**



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