



Kisállat-állatorvosoknak

3-in-1

**Automatizált AI
morfológiai elemző**



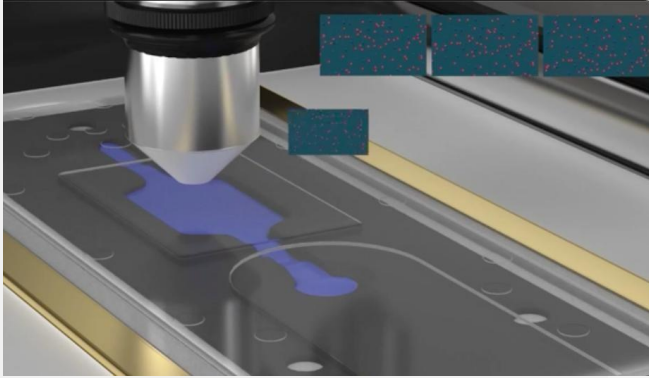
AI-100Vet

Az Ön házon belüli AI morfológiai szakértője





Mi az AI-100Vet?



Automatizált mikroszkóppal ellátott



Többfunkciós mintakészítő és vizsgáló platform



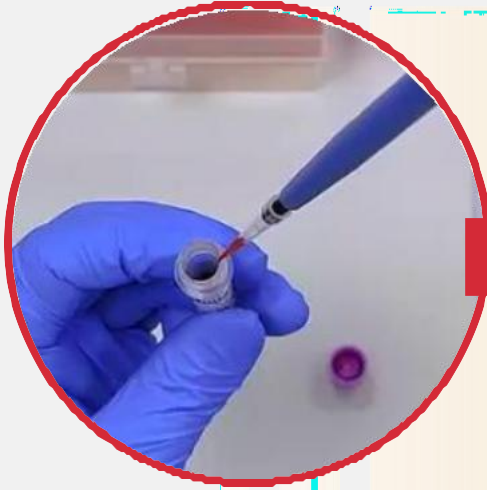
Mélytanuló AI morfológus és parazitológus



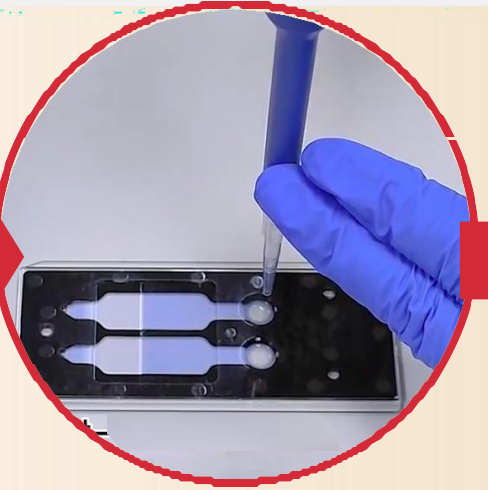
Hatékony szűrőeszköz klinikáknak és kórházaknak



Automatizált folyamat 3 egyszerű lépésben:



1. folyadékfestés
(10-500ul minta)



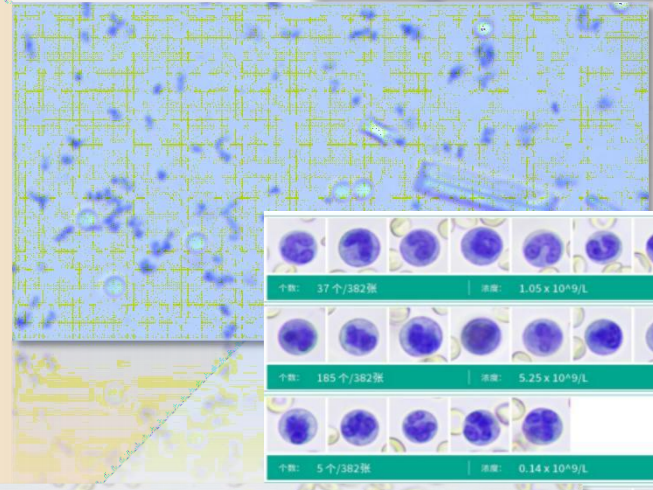
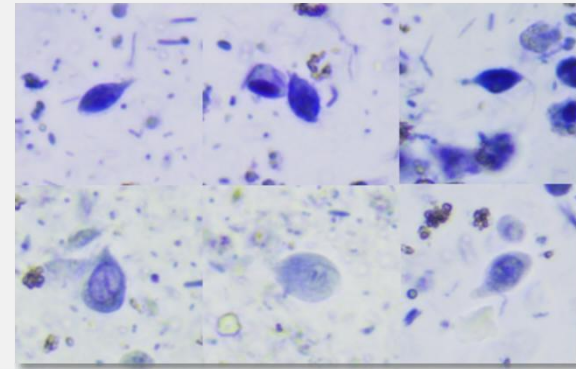
2. kamrainjekció



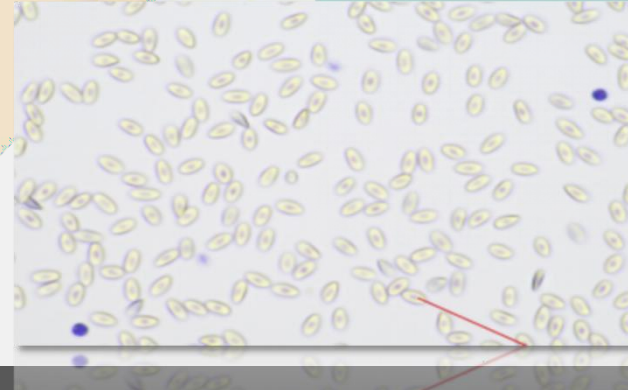
3. csatlakoztatás
és indítás



eredmény:
7-10 perc alatt!



个数: 37个/382张	浓度: $1.05 \times 10^9/L$	百分比: 11.97 NSH/WBC
个数: 185个/382张	浓度: $5.25 \times 10^9/L$	百分比: 59.87 NSH/WBC
个数: 5个/382张	浓度: $0.14 \times 10^9/L$	百分比: 1.62 NSH/WBC



百分比: 2.91 SLYM/WBC
百分比: 5.81 SFABR/WBC
百分比: 1.05 NSH/WBC





A 3 az 1-ben innováció különleges jellemzői



Mit tud az AI-100Vet 'SEE':

46-FÉLE VÉRPARAMÉTER ELEMZÉSE

retikulociták,
magvas vörösvértestek

band/szegmentált neutrofil
(balra/jobbra tolódás)

ETG/SPH/AGG
vörösvértestek

nagy- és aggregált
vérelemezkek

emlősök, hüllők, madarak
vérének elemzésére is
alkalmas

differenciáldiagnózisok

FESTETT CITOLÓGIA

6x KRISTÁLYYOK

VIZELET

30-FÉLE BÉLSÁRPARAMÉTER ELEMZÉSE

6-féle parazitapete

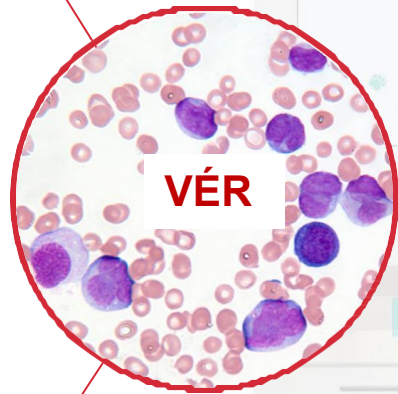
giardia, trichomonas,
isospora

bélfloóra/kórokozó
baktériumok

sejtek (bélvérzés, gyulladás)

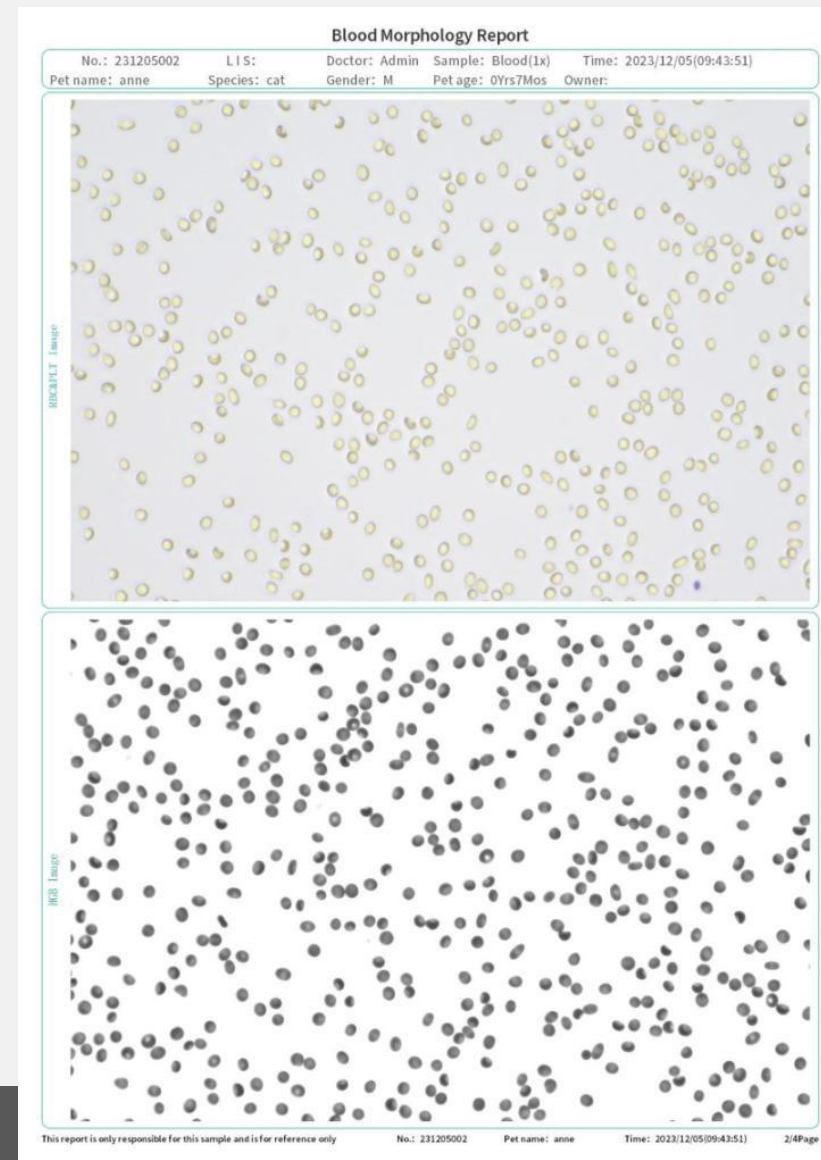
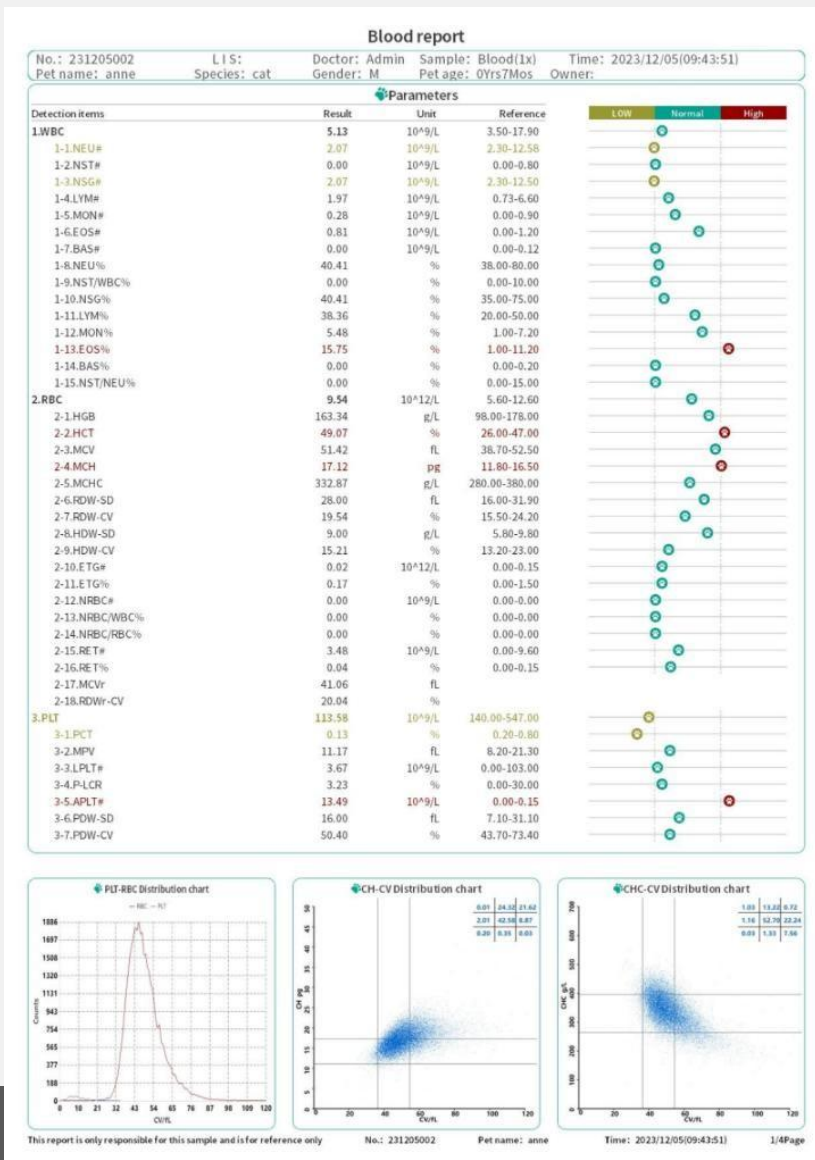
emésztési funkciók

21-FÉLE VIZELETPARAMÉTER ELEMZÉSE





Vérvizsgálati jelentés 45 paraméterrel (például retikulociták, szegmentált neutrofil stb.)



Pontosság:
 Több mint 95%
 (összehasonlítva a
 Sysmex XN-1000-
 rel és a kézi
 mikroszkópos
 vizsgálattal)



Vérvizsgálati jelentés

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: 29 /108 photos | Co.: $3.07 \times 10^9/L$ | 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]

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

二、[RBC]

1. [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.

1. [PCT<0.2] It suggests thrombocytopenia.

2. [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 diagnosztika értelmezése

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



Vizelet-morfológiai jelentés 21 paraméterrel

Urine report				
No.: 231205008	LIS:	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	
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	
1.	[Yellow] It is common in normal urine.
2.	[MAP#>5] It is common in urinary tract bacterial infection, low urine volume, alkaline urine or elevated magnesium level in diet.
3.	[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.
4.	[RBC#>25] Common in urinary tract bleeding (cystitis, urinary calculi, urinary crystallization).

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

MAP | Co.: 7.87/uL | Co.: 0.46/HPF

Sum | RBC | Co.: 15798.50/uL | Co.: 310.13/HPF

Sum | WBC | Co.: 10.36/uL | Co.: 0.20/HPF

40um | SEC | Co.: 3.45/uL | Co.: 0.07/HPF

Sum | COS | Co.: 22.69/uL | Co.: 1.34/HPF

Sum | FAT | Co.: 66.88/uL | Co.: 5.25/HPF

Hengerek

Kristályok

Sejtek

Kórokozók

Nyálka

Spermiumok

Széketvizsgálati jelentés 30 paraméterrel



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		
Parameters				
Detection items	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	0.017	0-0.156	○
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				
1. [FLA#>5] Suspected Giardia lamblia infection.				
2. [RBC#>5] Common in the colon, rectum, anus and other bleeding.				
3. [WBC#>0] Common in all kinds of enteritis (bacterial, allergic, viral, parasitic, etc.), tumor and so on.				
4. [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:

TR1 | QTY:2.00/216 photos | Co:0.40/LPF

FLA | QTY:15.00/216 photos | Co:3.01/LPF

CAM | Co:2.83/ug | Co:0.25/HPF

YEA | Co:3.13/ug | Co:0.28/HPF

RBC | Co:739.11/ug | Co:65.24/HPF

WBC | Co:4.84/ug | Co:0.43/HPF

SOY1 | QTY:3.00/1056 photos | Co:0.12/HPF

Suspected intestinal protozoa(SPRO1) | QTY:1/216 photos

Parazita

Kórokozók

Sejtek

Növényi rostok,
Izomrostok, Zsírcseppek,
Keményítőszemcsék



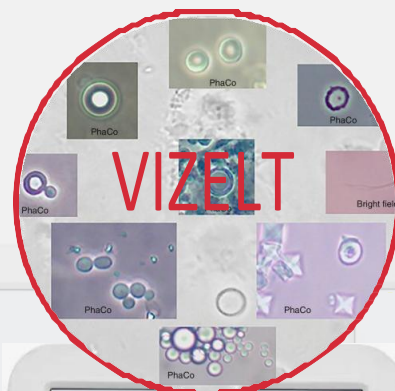
A 3 az 1-ben innováció különleges jellemzői



Mit tud az AI-100Vet :

Időt takarít meg
Költséghatékony
Csökkenti a
munkaerőigényt

- Anémia differenciálás
- Hemolízis/IMHA szűrés
- Balra tolódás (fertőzésfigyelés)
- Trombopénia megerősítése
- Egzotikus állatok



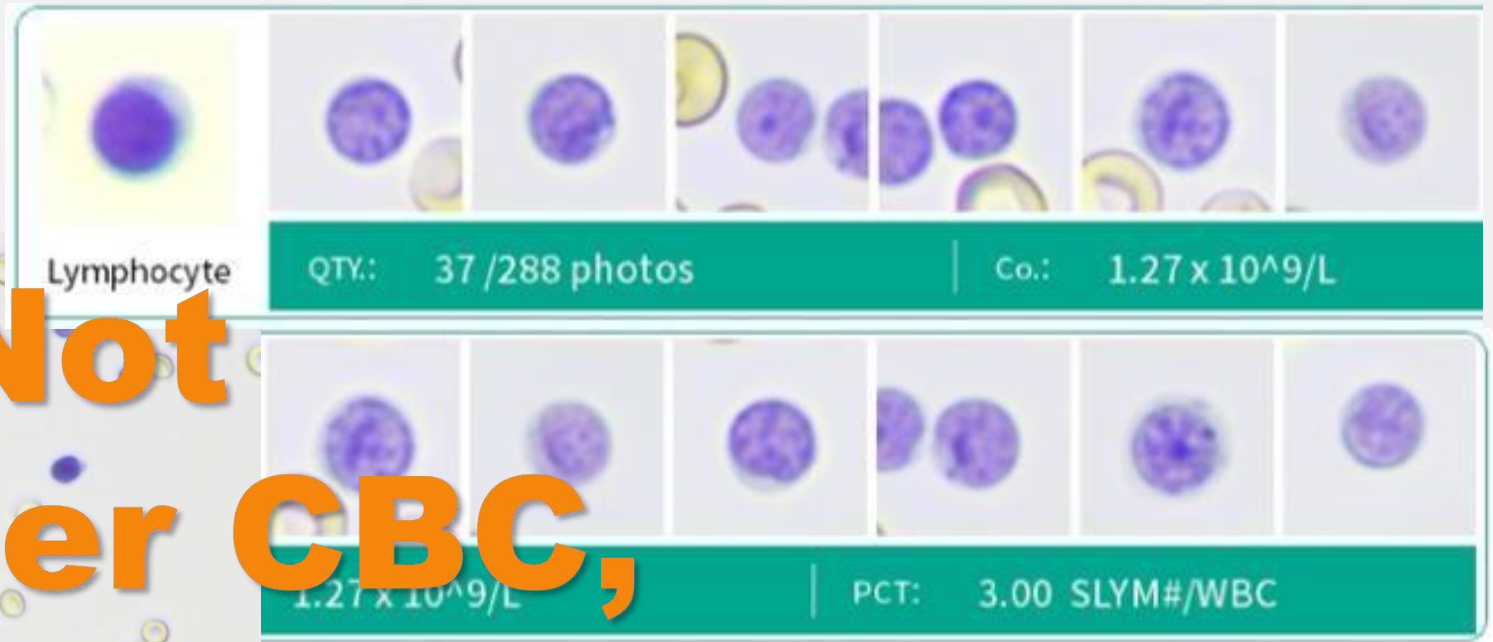
- Akut veseproblémák
- Hólyaghurut, vesekő



- Parazitás fertőzések diagnosztikája és kezelési nyomon követése
- Diszbiózis vagy bélbaktérium-fertőzések
- Exokrin hasnyálmirigy-elégtelenség (EPI) szűrése



AI-100Vet



**Not
another CBC,
but
Morphology!**



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