

MISPA-F30
Feces Analyzer



Main Technical Specifications

Ova and Parasites Special Test Mode	Flotation Method and Sedimentation Method.
Iodine Staining Function	Under Iodine staining mode, the analyzer can automatically add iodine staining solution to stain the sample improving the detection rate of special Ova and Parasite.
Test Speed	Integrated speed ≤ 30 specimens / hour, high speed and high efficiency.
Test Channel	Flowing quartz counting cell.
Microscope	High and low power objective lens, with one-key focusing function.
Camera	5 mega-pixel HD CMOS camera.
Mixing Method	Mechanical rotation, with adjustable mixing speed.
Image quantity	More than 300 images, supporting multiple combinations of images and customized quantity of shooting fields.
Image Capture Mode	Multi-field layered scanning, up to 8 layers per field.
Quality Control	Software comes with functional quality control function, directly on the machine for quality control operations.
Communication Function	Duplex bidirectional communication.
Code Scanning	The instrument is equipped with an external barcode reader.
Consumables	Sample collection cup, sample diluent, cleaning solution, concentrated cleaning solution and quality control.
Colloidal Gold Detection Items	7 items can be expanded by manual method. (Fecal occult blood, Transferrin, Adenovirus, Rotavirus· Helicobacter pylori· Calprotectin and Lactoferrin·)
Formed Element Detection	Leukocyte, erythrocyte, pyocyte, fungus, fat globules, macrophage, lucidum spore, starch granule, epithelial cell, charcot-leyden crystal, calcium oxalate crystal, blood, egg of clonorchis, egg of ascaris lumbricoides, egg of trichinella trichurus, egg of tapeworm, egg of hookworm, egg of enterobius vermicularis, strongyloi des stercoralis, blastocystis hominis, egg of schistosoma japonicum, egg of fasciolopsis buski, trichomonas, egg of paragonimus westermani, amoeba, cryptosporidium, giardia lamblia.



MISPA-F30
Feces Analyzer

AGAPPE DIAGNOSTICS LTD.

“Agappe Hills”, Pattimattom (PO), Dist. Ernakulam, Kerala - 683 562, India.

TEL: + 91 484 2867000

Email: product.info@agappe.in

Web: www.agappe.com

ISO 9001:2015
EN ISO 13485:2016



Toll Free No: 1800 425 7151



Test items

Physical examination:

Samples can be automatically photographed for automatic analysis of color, consistency and other physical indicators.

Microscopic examination:

Deep learning function, preliminary AI recognition ability 60-90%. It can detect and confirm the formed elements in fecal samples (including red blood cells, white blood cells, fat globules, parasites and eggs, etc.).

Working principle

Physical detection:

Save sample pictures automatically and analyze sample characteristics by artificial intelligence. Scan sample barcodes by an external barcode reader to transmit sample information to the system.

Morphological detection:

Magnify formed elements of fecal samples through a microscope, along with a HD camera to automatically take and store pictures. Utilize digital imaging and AI to automatically filter normal fecal samples and label positive samples.

Ova and Parasites Special Test Mode ——Floating Method & Sedimentation Method

A special mode is equipped with this instrument for the detection of parasites and eggs in fecal samples, which can be realized only via AGAPPE's patented technology and a special sampling cup containing a floating solution. Under this special mode, samples will be tested using flotation and sedimentation methods. After sampling with the sampling spoon, the sample can be stored in the floating solution for up to 48 hours before tests.

The instrument automatically rotates the sampling spoon to mix the sample, and then settles the sample to a static flotation state. The sampling needle aspirates the upper suspension and the bottom sediment to detect them separately. As there is no solid residue in the suspension, clear pictures can be captured. Additionally, the detection rate of parasites and eggs can be greatly improved because both of them would stay in the suspension after mixing.

This technology provides a much higher parasite and egg detection rate than traditional screening methods, and can replace manual flotation methods accredited by CAP laboratories and ISO-15189 for specialized testing of parasites and eggs to increase the efficiency.

In addition, the results from the flotation technique used in this instrument are in good agreement with manual methods by more than 80%, and has gained excellent results in the Middle East, Europe, Africa, the Americas and South Asia.

New special Sample Collection Cup

- ◆ Rotating screw silicone caps, able to be punctured by a sampling needle, better airtightness, suitable for rail, air and other transportation.
- ◆ Limited quantitative sampling design, the industry initiative.
Function 1: Avoid over-sampling resulting in dark images and ensure image clarity.

Function 2: To avoid errors in results caused by too much stool sample that cannot be chromatographed when dripping samples to the colloidal gold card.
- ◆ Super large area over the longitudinal screen, organic components easier to filter, improve the detection rate.



Mispa-F30 Related Products Catalogs

Product name	Specifications	Purpose
Sample Diluent	20 L/bucket	Dilute and liquefy the sample to be tested.
Feces Analyzer Cleaning Solution	500 mL/bucket	Clean the channel during shutdown.
Concentrated Cleaning Solution	100 mL/bucket	Clean and routinely maintain the channel of the feces analyzer.
Sample Collection Cup CUP-004 (Without preservation solution)	1000 pcs/carton	Collect, transport and store stool samples.
Sample Collection Cup CUP-002 (Withpreservation solution)	600 pcs/carton	Collect, transport and store stool samples.

Product name	Model and name	Specifications	Purpose
Feces Formed Element Control	QC - I : Positive quality control for ascaris ova (fertilized)	1 mL * 1 bottle	For quality control.
	QC - II : Positive quality control for whipworm eggs	1 mL * 1 bottle	
	QC - III : Positive quality control for Liver fluke eggs	1 mL * 1 bottle	
	QC - IV : Quality control for red blood cell with certain concentration	High Level:5 mL*2 bottles; Low Level:5 mL*2 bottles	
	QC - V : Positive controls for Leukocyte	5 mL*4 bottles	