

FS-30 Related Product Catalog

| Product name | Specification | Purpose |
|---|----------------------|--|
| Sample Diluent | 5 L/10 L/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 KU-CUP-004 (Without flotation solution) | 1000 pcs/carton | Collect, transport and store stool samples |
| Sample Collection Cup KU-CUP-002 (With flotation solution) | 600 pcs/carton | Used for the Flotation-Precipitation mode on the analyzer |

| Product name | Model and name | Specification |
|--------------------------------------|--|--|
| Feces Formed Element Quality Control | QC-I: Positive quality control for ascaris ova (fertilized) | 1 mL*1 bottle |
| | 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 control for leukocyte | 5 mL*4 bottles |

Technical Parameters

| | |
|------------------------|--|
| Test Speed | Up to 30 samples per hour |
| Test Channel | Flowing quartz counting cell, single channel |
| 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 |
| Communication Function | Duplex bidirectional communication |
| Shooting Mode | Scanning layer-by-layer in each field of view, up to 8 shooting layers |
| Barcode Scanning | The instrument is equipped with an external barcode scanner |

KEYU

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Product specifications are subject to change, subject to the latest technical data and inspection reports

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FS-30 Feces Analyzer

- ★ HD Touch Screen
- ★ Iodine Staining Function
- ★ Unique Sample Collection Cup
- ★ Flotation and Precipitation Method
- ★ Dual Objective (20X, 40X)
- ★ AI Automatic Identification
- ★ High-definition Picture, High Detection Rate
- ★ Fully Automatic Sample Processing

KEYU

FS-30

Feces Analyzer

Test Items

- **Physical examination:**

Samples can be automatically photographed for automatic analysis of color and consistency.

- **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 parasite eggs, etc.).

Working Principle

- **Physical examination:**

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

- **Cytological examination:**

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 screen out negative fecal samples and label positive samples.

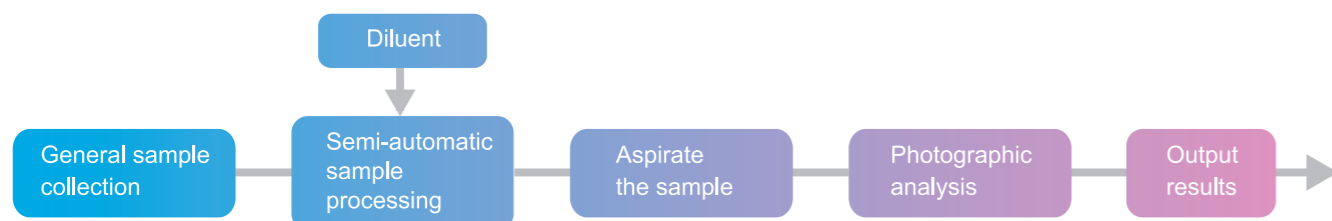
Parasite and Parasite Eggs Special Detection Mode

- **Flotation-Precipitation Method**

The KEYU Analyzer offers a specialized mode tailored for the detection of Parasites and Parasite Eggs in laboratory samples. This mode is enabled exclusively through the use of KEYU's patented technology, involving a specialized sample collection cup and Preset Flotation Liquid. Under this special detection mode, the KEYU Analyzer employs both flotation and precipitation methods for sample analysis. Compared to traditional direct smear and ovassay methods, this method significantly enhances the detection rates of parasite eggs.

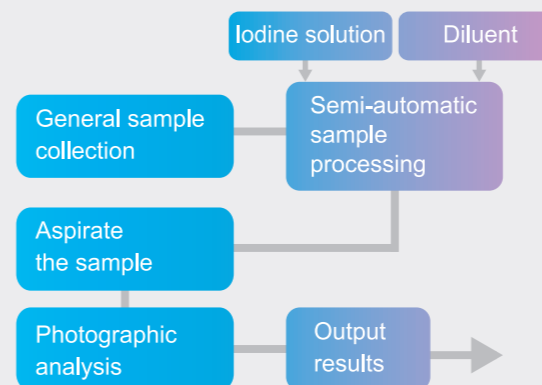
General Detection Mode

- **Standard Mode:**

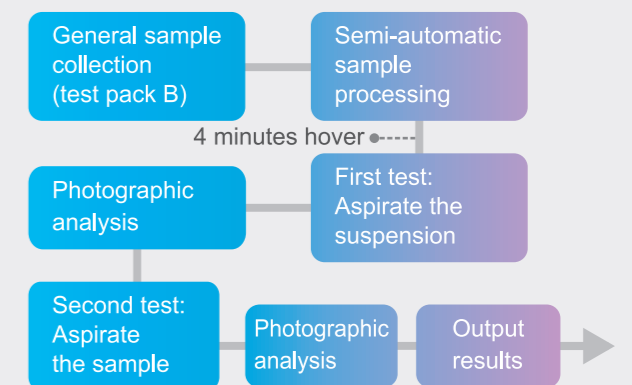


Special Detection Mode

- **Iodine Staining**



- **Flotation-Precipitation**



Special Sample Collection Cup

- Large area filtration.
- Sample Volume: 0.1g-0.3g.
- Quantitative sampling design for optimal sample quantity, ensuring picture clarity.
- Rotating threaded screw cap, puncturable for sampling, ensuring better air-tightness and suitable for rail, air and other transportation methods.

Sample storage conditions: Please store at room temperature and send for testing within 72 hours.

