



LITUO BIOTECH

FOCUS ON

- developing IVD field for 25+ years



LTS-E100

Feces Analysis & Processing System

Leading technology for healthy life



The laboratory golden standard for feces routine testing

Intelligent, efficient, safe and standardized

Product Series - 8 patents



LTS-E100 Feces Analysis & Processing System

It is an innovative patented product designed by Lituo Biotech, which uses simulated manual microscopic smear cover technique to achieve truly intelligent and automated operation, and is a transformative product for routine feces testing from manual operation to fully automated machine operation.

► Patented slide kit

Automatic smear capping to ensure smear effect; single-serving disposables to prevent cross-contamination.



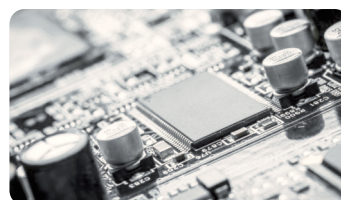
► Patented sampling bottle

Patented bottle design, double-layer filter membrane, bottom egg collection tank to improve the positive detection rate; with adult stool, child stool, diluted stool processing function.



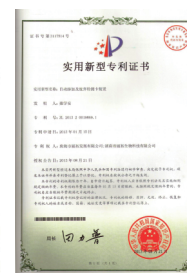
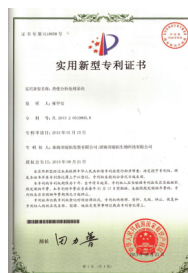
► Modular design

The modularization of each component makes each component operate independently, resulting in low system failure rate and easy management and maintenance.



Patent certificates

Appearance design patent;
Stool sample bottle design patent;
Automatic positioning and transfer device patent;
Automatic dilution and stirring drip device patent;
Stool analysis and processing system instrument patent;
Automatic photo device for stool analyzer patent;
Automatic adding and discarding test card device patent;
Leucorrhoea, stool and urine routine microscope inspection and production kit patent.

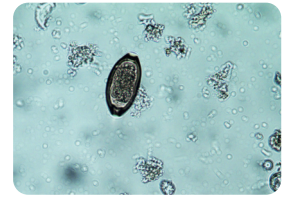
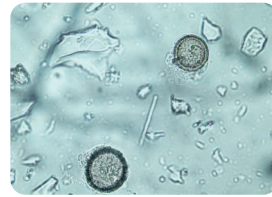
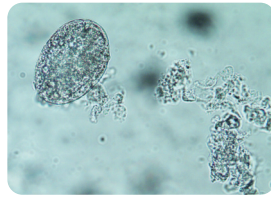
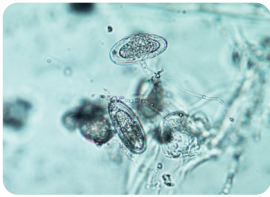


Advanced manure inspection platform - 4 major advantages

Precise microscopy

Bionic simulation of manual smear coverslip technology, more in line with the requirements of the Clinical Laboratory Practice

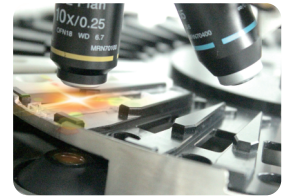
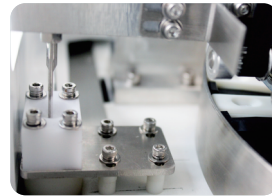
Patented slide kit, fully automatic smear coverslip, effective fixation and compression of specimen thickness, to ensure the reading area and focus effect; automatic conversion of high and low magnification, different levels of automatic focus to ensure clear images.



Automatic detection

A number of patented technologies to achieve fully automatic detection, minimizing manual operation

Fully automated operation of automatic sample load and unload, automatic sample processing, automatic microscopic examination, automatic examination and result interpretation, and automatic uploading of results, without direct contact with the specimen.



Flexible and efficient

Flexible and simple operation, microscopy and chemical detection with the same machine to improve detection efficiency

1–40 specimens on arrival, 5 emergency positions.

Up to 60 tests/hour. Reagents & consumables self-developed & produced.

Fully Automated Workflow, direct tube loading with built-in barcode scanner, supports bidirectional LIS connection.

Premium 10×/40× auto-focus lenses, ≥6MP resolution. 21-layer focus review, up to 400 images per sample.

7 reagent card slots for ≥140 tests. Up to 6 items per sample, independent reaction control.

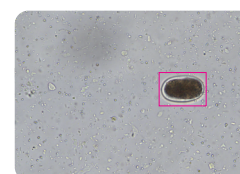
The software displays real-time information, such as the remaining quantities of test cards and reagents, detection status and estimated completion time.

Multiple Modes: Standard, iodine staining, multi-field, sedimentation/floatation

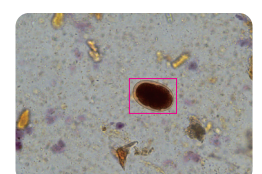
Premium experience

Fully enclosed security system, completely solve the bad experience of feces routine testing

Fully enclosed detection, built-in air purifier and internal and external joint flushing device to avoid contamination and pipeline clogging, to ensure biosafety; modular design, low failure rate, automatic alarm for detection card missing, waste bin full, insufficient cleaning fluid, diluent buffer and instrument failure, etc.



Hookworm Egg
(Standard)



Hookworm Egg
(Iodine staining)

Test items

Physical testing

Routine trait testing: Color, traits, etc.

Microscopic testing:

Cells: Red Blood Cells, White Blood Cells, Epithelial Cells

Eggs: Roundworm Eggs, Liver Fluke Eggs, Hookworm Eggs, Pinworm Eggs, Tapeworm Eggs, Whipworm Eggs, Amoebic Cysts, Giardia Lamblia Cysts, Schistosomiasis, Fasciola Ginger, and Other Types

Others: Fungi, Crystals, Charcolaydon Crystals, Ganoderma Lucidum Spores, Starch Granules, Fat Globules, etc

Fecal Antigen Tests

- Fecal Occult Blood Test Kit (Hb Single Test)
- Fecal Occult Blood Test Kit (Hb & Tf Duplex Test)
- Helicobacter Pylori Test Kit
- Rotavirus Test Kit
- Rotavirus/Adenovirus Test Kit
- Calprotectin Test Kit
- Lactoferrin Test Kit
- Norovirus Test Kit

Instrument supporting reagents and consumables

Sampling bottles, slide kits, test cards, sample buffer and cleaning solutions.



Technical parameters

- Two-way lis system
- Power supply: A.C 220-240V 50-60Hz
- Host size (L X W X H) : 853mm X 636mm X 525mm
- Input power : 500W
- Whole machine quality: ≤80kg
- Environmental conditions of use
 - > Environmental temperature 15°C~ 30°C
 - > Atmospheric pressure 86 .0kPa~ 10 6.0kPa
 - > Relative Humidity 40% ~ 85%
 - > Environment free from conductive dust, explosive and corrosive gas and vibration sources.



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