



LTS-E100

Feces Analysis & Processing System

✓ Full-automation ✓ Eight Patent Technologies



➤ Introduction

LTS-E100 Feces Analysis & Processing System is an innovative patented medical device developed and designed by Lituo Biotech. With its full-automated testing philosophy, LTS-E100 achieves the transition from manual operation to full automated mechanical testing for stool routine examination.

➤ Features

Full Automation

Multi-patent technologies.

Full automated operation:

Specimen uploading-physical testing-smear preparation-microscopy examination-chemical testing-generate clinical report



Microscopy Examination

Stimulated manual smearing techniques; automated high & low lens switch and focusing to secure the clearest vision.

Several photos would be taken and the clearest one will be selected and uploaded to generate clinical report.



Purification System

Full sealing structures and inside air-purification system avoids specimen in direct contact with surrounding. Flushing system prevents cross contamination and pipeline blocking, improving clinical laboratory environment.

Flexiable Operation

Forty samples loading in flow-line style at one time.
Maximum five emergency specimen available.

Intelligent Detection

Test speed can reach to fifty samples per hour.
Two physical tests and five chemical tests available.
Be able to run any combination of three chemical tests at the same time.



➤ Test Items

Physical Tests

- ✓ Stool routine microscopic examination;
- ✓ Color and appearance.

Chemical Tests

- ✓ Fecal Occult Blood (Hb/Tf) Kit (Duplex), Fecal Occult Blood (FOB) Kit (Single)
- ✓ Helicobacter Pylori (HP)
- ✓ Rotavirus, Adenovirus, Rotavirus & Adenovirus 2 in 1
- ✓ More items under developing

➤ Ancillary Reagent

Specimen collection bottle, slide & coverslip, specimen diluent, cleaning solution.
Test cards: FOB, Hb & Tf 2 in 1, Rotavirus, Adenovirus, Rotavirus & adenovirus 2 in 1, Helicobacter Pylori

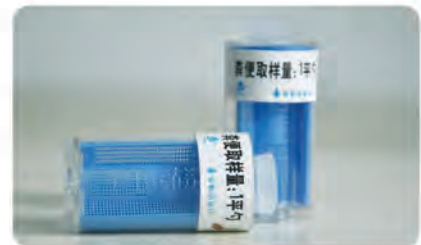
Slide & Coverslip:

- Patented and specially designed;
- Ensure effectiveness of microscopic focus with small depth of field.
- Integrate conventional microscopic detection and automated operation.

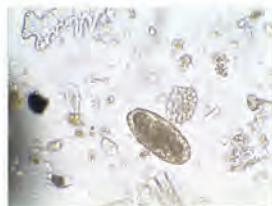
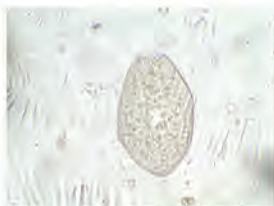


Specimen collection bottle:

- Patented and specially design; three types for different specimen (normal, watery & children's;
- Disposable sampling bottle enables individual collection and prevent cross contamination for medical operator.
- With filter screen inside to separate diagnostic material with non-diagnostic residue; pore diameter of filter screen are verified by clinical test;

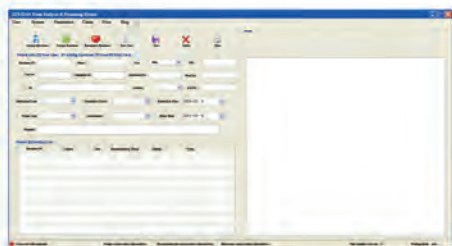


➤ Microscopic Image



✧Lituo Text-Image Sytem

- User-friendly interface, clear and intuitive images;
- Humanized functions:user switching & setting, parameter setting etc;
- Automated switching of high & low lens;
- Automated focusing to get the clearest vision;
- Connectivity with LIS to enable informalization.
- Standardized report fromat with images and descriptions;



XXXXXXHospital									
Name	Sex	Age	Specimen No	Outpatient No	Admission No				
Specimen Type	Sheet	Ward No	Doctor	Case No	Submission Dept	Bed No			
Test Items	Result	unit	Normal Value Range	Test Items	Result	unit	Normal Value Range		
Color	Yellow								
Property									
Leukocyte			0-10PP						
Erythrocyte			0-10PP						
Epithelium			Negative						
Macrophage			Negative						
Wagreen Ovary			Negative						
Hookworm Ovary			Negative						
Ascari Eggs			Negative						
Cystics			Negative						
Fat Globule			Negative						
Mould Cells			Negative						
Rosavirus	Negative		Negative						

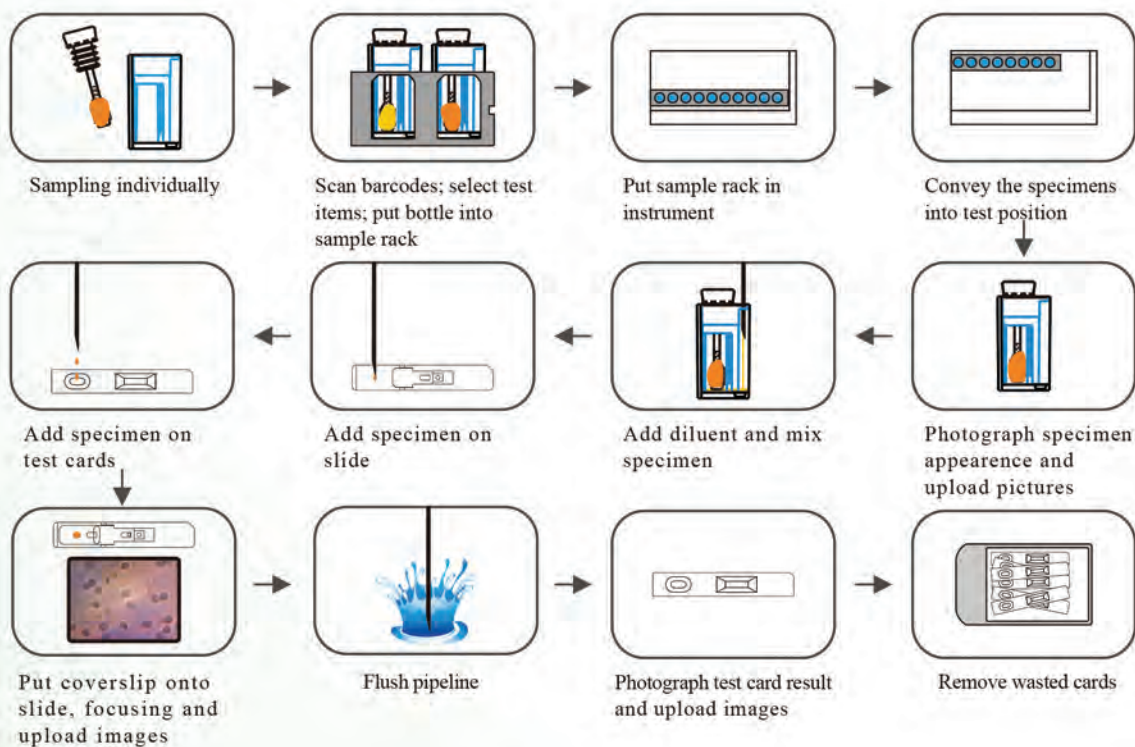






Submission Doctor:
Labtechnician:
Audite:

✧Operation Procedures



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