

“WE HAVE THE BEST TEAM
AND WE CARE ABOUT
YOUR HEALTH”

AUTOMATIC

LIQUID-BASED CYTOLOGY SLIDE PREPARATION SYSTEM

SP-M2



Size & Weight

Size: 440mm×440mm×266mm
Weight: 22KG

Principle

Membrane filter

Capacity

200 slides / hour

Circle Diameter

15mm

Results

Cells are dispersed in thin layers, 3D flat structure

Sample Types

Cervical exfoliated cells, pleuroperitoneal fluid,
sputum, urine and other liquid samples

Power Supply

100-240V~, 50/60Hz



Membrane System

-Double layers with high
precision membrane filter.



Clear Background

-Cells distributed evenly.



Easy Operate

-Easy to make slides,
3 steps only.



Robust





-No need pre-treat blood and
viscosity sample.

Technical Parameters of Liquid-Based Cytology Slide Preparation System

Technical Parameters

- 1 **Technical Principle:** Membrane filter
- 2 **Working Features:** Original bottle can be loaded without opening the cap; cell filter is directly installed; automatic unloading after preparation
- 3 **Preparation Efficiency:** Single-cycle working time: $\leq 17s/cycle$; sample processing capacity: ≥ 200 samples/hour
- 4 **Compatible Sample Types:** Suitable for clinical exfoliated cells (e.g., cervical exfoliated cells, pleural/ascitic fluids, sputum, urine, fine-needle aspiration) after pre-processing
- 5 **Sample Processing Modes:** Three modes designed based on cell concentration—thin, normal, and thick samples
- 6 **Preparation Parameters:** Prepared thin-layer diagnostic area: 15mm diameter circle
- 7 **Consumable 1 (Cell Preservation Solution):** 18ml/bottle; colorless buffer containing methanol/ethanol; pH 7.0 ± 0.3 ; maintains cell integrity at room temperature for ≥ 6 weeks
- 8 **Consumable 2 (Cell Filter):** Upper filter membrane pore size: $100\mu m$; lower filter membrane pore size: $8\mu m$. Upper membrane removes mucus clots; lower membrane collects cells for transfer to slides
- 9 **Consumable 3 (Adhesive Slide):** Positively charged coating. Dimensions (L×W×H): 75mm×25mm×1.1mm; white-marked end length: 25mm
- 10 **Consumable 4 (Cervical Cell Sampling Brush):** Length: 208mm; plastic material; sterile, individually packaged

Consumables for SP-M2

Items	Specifications	Packing specifications	Appearance
Cell Preservation Solution	15-18ml/bottle	25 bottles/kit	
Adhesive Microscope Slid	75*25*1.1	50 PCS/kit	
Membrane Filter	15mm	25 PCS/kit	
Disposable sterile cervical sampling brush	A	100 PCS/kit	

Reagents and consumables prepared by laboratory: Absolute ethyl alcohol, 95% ethanol, Xylene (or substitute), Sealant (or substitute), Coverslip, Staining workstation.