

“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 Kit.

### Technical Parameters

- Technical Principle:** Collection and transfer cells to slide through dual membrane filter under controlling.
- Working Features:** Original bottle can be loaded without opening the cap; cell filter is directly installed; automatic unloading after preparation
- Preparation Efficiency:** Single-cycle working time:  $\leq 17s/cycle$ ; sample processing capacity:  $\geq 200$  samples/hour
- Compatible Sample Types:** Suitable for clinical exfoliated cells (e.g., cervical exfoliated cells, pleural/ascitic fluids, sputum, urine, fine-needle aspiration) after pre-processing
- Sample Processing Modes:** Three modes designed based on cell concentration—thin, normal, and thick samples
- Preparation Parameters:** Prepared thin-layer diagnostic area: 15mm diameter circle
- Consumable 1 (Cell Preservation Solution):** 18ml/bottle; colorless buffer containing methanol; pH 5.8 - 6.3; maintains cell integrity at room temperature for  $\geq 6$  weeks
- Consumable 2 (Cell Filter):** Dual membrane filter. Upper filter membrane pore size:  $150\mu m(\pm 5)$ ; lower filter membrane pore size:  $8\mu m(\pm 1)$ . Upper membrane removes mucus clots; lower membrane collects cells for transfer to slides.
- Consumable 3 (Adhesive Slide):** Positively charged coating slide. Dimensions (L×W): 75mm×25mm. The thickness :1.1mm; white-marked. Function: keep the cells adhered to the surface of the glass slide.
- 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	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/methanol, Xylene (or substitute), Sealant (or substitute), Coverslip, Staining workstation.