

## CytoSmart 30 Autocyto Prep–Staining System

### Product Technique Features

- Fully automatic operation from slide making to staining, artificial errors can be avoided.
- Uses high precision pressure sensor when obtaining specimen to ensure the cells amount for diagnose use.
- Individual slide staining technique is adopted to precisely control stain amount. Also, the individual staining reduces the possibility of cross contamination.
- This product has fully automatic control with user friendly operation interface. No additional computers and programs are needed. When operating the system, pre–set the slides number. The whole process will run automatically.
- Has the reminding function for adding stains
- Air springs are applied on the flipping lids. Turing lids would not interrupt operator' s movements.
- Automatic senses the flipping lids status. For safety matters, the products will stop moving in both vertical and horizontal directions when the lids are open.
- Double trails structure to ensure steady movement horizontally.
- Support batch slides making and staining. 1–30 units of specimen and be processed once.
- The dispense fluid recycling system ensures to minimize the contamination in the laboratory.
- Helps to enhance the reusability of one specimen—4 slides can be made out of one specimen.

### Parameters

- Maximum slides making and staining amount: 30 slides
- Processing speed: 120–150 slides/day
- Slides capacity: 30 slides
- Membrane cup: capacity: 30 cups
- Sample preservering vial: capacity: 30
- Three Stain bottles, 65ml each, contains hematoxylin, ammonium hydroxide and EA50+orange, uses 100ul for each individual slide staining.
- Cleaning solution: 95%, 100% alcohol and PBS Powdered
- Capacity of one load of stain: 200 slides
- Dimension ( WxDxH ) : 1205mm\*835mm\*705mm
- Power Voltage: 100V~120V/200V~240V 50/60Hz
- Power Rating: ≤150W
- Weight: 161kg



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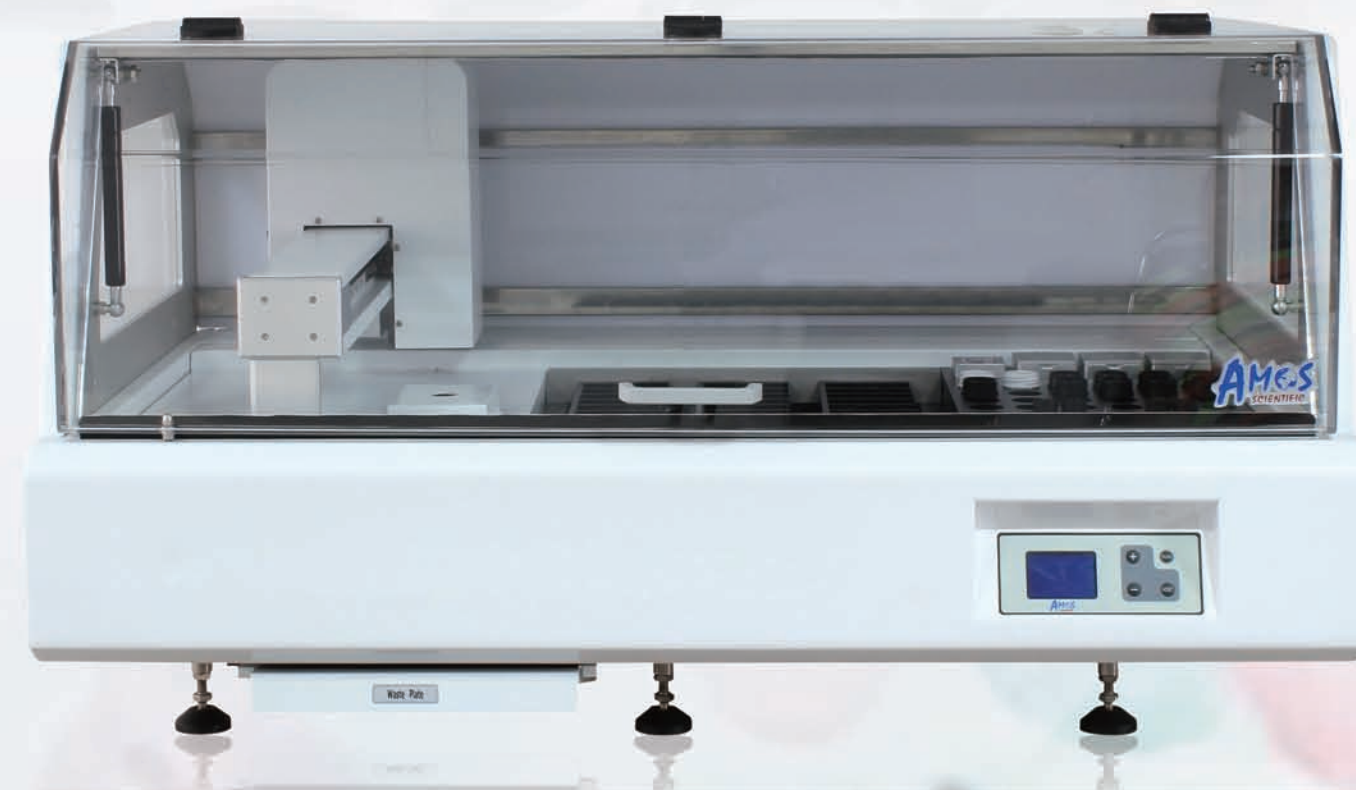
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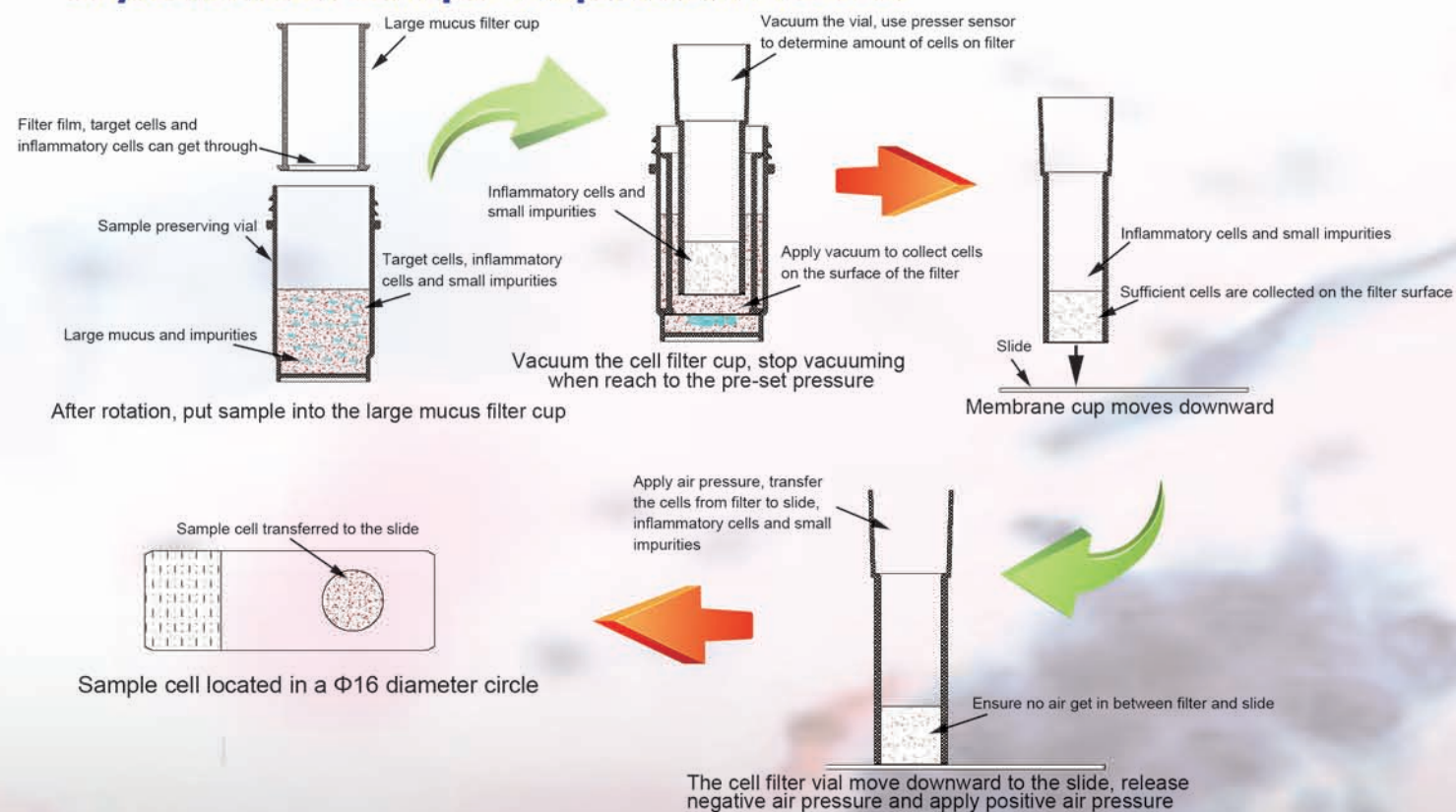


**CytoSmart 30**  
**AUTOCYTO PREP–STAINING SYSTEM**





## CryoSmart 30 Sample Preparation Process



## Comparison of the preparation methods

Preparation Methods	Technique Principles	Pros and Cons		
		Automatic level	Slides Outcome	Staining Methods
Centrifuge	Denser impurity can be separated, but the smaller cells and impurity may stay on the slides.	Centrifuge is processed automatically. But separate staining machine is needed.	High possibility of cells overlaps; impurity may cause obscureness.	Uses dipping staining, may cause cross contamination.
TCT	Only apply to cells in certain diameter ranges. Specimen is dispersed and filtered. Only a representative sample will be left on the slide.	Slides are made manually while separate staining machine is also needed.	Low possibility of cells overlaps; large size impurity cannot be avoid, only apply to certain types of specimen.	Uses dipping staining, may cause cross contamination.
LCT	Repeat centrifuge for several times to settle out the particles in liquid so impurity can be removed.	Repeating centrifuge can only be done manually while staining is automatically accomplished.	Cells overlaps are avoided. Produces high quality slides.	Use individual slide staining, no cross contamination.
CryoSmart 30	By using film filters methods, target cells, smaller cells and impurity are dispersed and go through film filters with different thickness. Only target cells will stay on film and be left on the slides.	Fully Automatic	No cells overlaps, no large sized impurity, only exist small amount of inflammatory cells. Produces high quality slides.	Use individual slide staining, no cross contamination.