# FISH Auto System

## FAS-2000

MOLECULAR DIAGNOSTIC SERIES

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FISH Auto System is mainly used to automate the solution change procedure of Fluorescence In Situ Hybridization (FISH). It can liberate technicians from FISH experiments, improve laboratory efficiency and reduce personnel work intensity.

### High Throughput

Up to 24 slide samples can be processed simultaneously.

### Less Reagent Dosage

Only 25mL is required for a single sample.

### All-in-one Design

Large touch screen software operation, new humanized operation interface, greatly improve customer's experience.
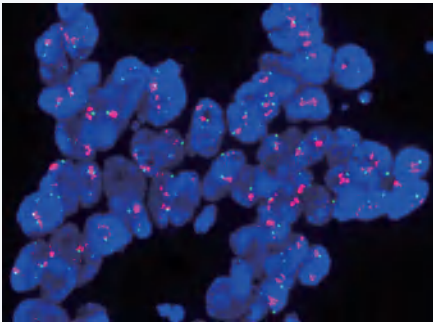
### Secure Structure

Liquid path and electrocircuit space isolation.

- Manual steps reduced from more than 30 to 3, only the addition of probes, coverslips and counterstaining required human manipulation during the FISH.
- 7 liquid feed channels to meet different experimental needs.
- The temperature and volume can be controlled precisely, which will improve the consistency and reliability of experimental results.
- The software prompts are clear and support switching between English and Chinese.
- Automatic recording of experimental processes, node prompts, and traceability of results.

### Design Experiments Flexibly

Three independent running modules allow experiments to run at different temperatures simultaneously.

### Efficient Temperature Control

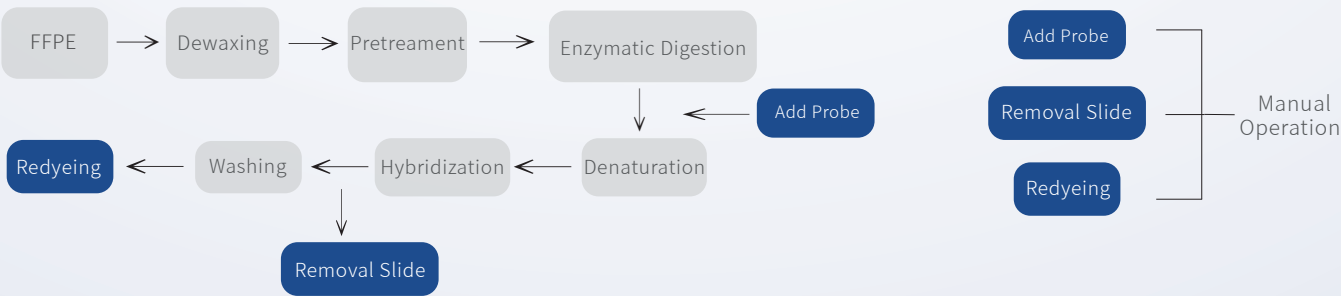Precise temperature control±0.5℃, rapid heating and cooling (30-95℃).

### Powerful Background Maintenance

User software prompts are clear and support switching between English and Chinese. The amount of reagent will be prompted before the task is executed automatically. Powerful functions, liquid shortage alarm, liquid circuit blockage alarm, etc.

### Wide Range of Applications

Histology (FFPE samples) ,Cytology (urine) ,Hematology (bone marrow, blood samples) and Genetics (chorionic villi, amniotic fluid), etc.

## Experimental Flow Chart

FFPE → Dewaxing → Pretreatment → Enzymatic Digestion → Add Probe → Denaturation → Hybridization → Washing → Redyeing

Hybridization → Removal Slide

Add Probe / Removal Slide / Redyeing — Manual Operation

## Performance parameter

| Product Model | FAS-2000 |
| --- | --- |
| Capacity | 24 slides |
| Number of Program | 100 |
| L×W×H | 598×522×375mm |
| Weight | 39±1Kg |
| Type of specimen tested | FFPE, Cell samples (blood, bone marrow, urine, amniotic fluid) |
| Instrument Functions | Pre-treatment, gradient dehydration, co-denaturation, hybridization, washing |
| Dosing volume | 25-50ml |
| Temperature and Accuracy | 25° C ~ 95° C , ±0.5℃ |
| Liquid Filling Accuracy | ≤ 5% |
| Alcohol homogeneity | ≤ 10% |
| Operating Procedure | 100 built-in customizations |
| Product Language | Chinese , English |