

CliniSciences

MY-A20

Immunohistochemistry (IHC) Stainer





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Stainer Presentation



Reasons Why





Reasons Why



Reasons Why

Reduction of the Workforce

Reduction of the Human Error

**Staining Process
Standardization**

Due to the increasing labor costs and requirements for staining processes standardization, the transition from manual staining to automatic, instrument performed, staining seems to be the most logical approach.

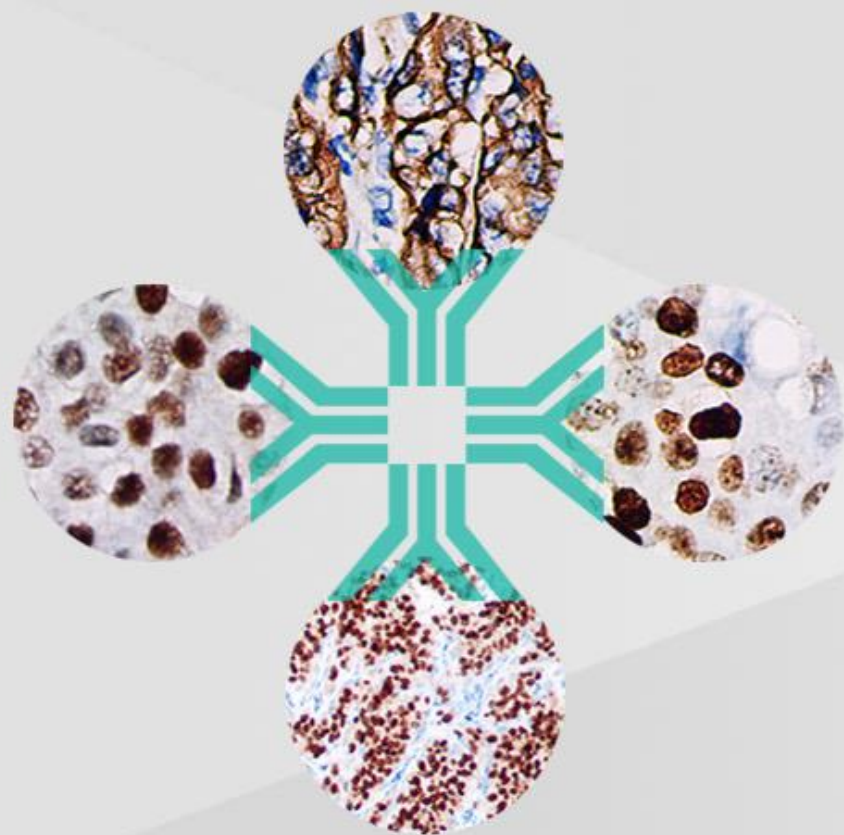


Stainer Presentation



Stainer Presentation

- Dewaxing
- Antigen Retrieving
- Dyeing
- Fully Automatic



**Upgraded,
Second-generation
Immunohistochemistry
(IHC)
Stainer**

MY-A20

Easy

Precise

Smart

Flexible

Introduction of Instrument

MY-A20 is the upgraded, second-generation, IHC staining instrument, with the ability to perfect and fully automatize the dewaxing, antigen retrieving and dyeing steps. The IHC process can be fast, simple and precise.



Staining Process Step by Step (example)

- 1、 Water-soluble dewaxing solution 80°C 10min
- 2、 PBS buffer wash
- 3、 Antigen retrieving (CBS-acid、 EDTA-base) 100°C 40min
- 4、 PBS buffer wash
- 5、 The primary antibody incubation 100ul 30min
- 6、 PBS buffer wash
- 7、 The secondary antibody incubation 100ul 20min
- 8、 PBS buffer wash
- 9、 DAB staining 100ul 8min
- 10、 Distilled water wash
- 11、 Hematoxylin staining 100ul 3min
- 12、 PBS buffer wash
- 13、 Alcohol wash
- 14、 End



Improvements and upgrades:

1、 Automatic and just prior to use DAB staining solution preparation inside the stainer.

The DAB dye needs to be prepared just prior to its use and is toxic.

2、 Precise temperature control of each individual slide.

The temperature of each slide is independently and accurately monitored and controlled, so is the incubation temperature of the particular antibody.

3、 Upgraded to more gentle sample processing.

Sample processing with the unique, fast dewaxing, and low-temperature technology to ensure the stability of the tissue sample.

4、 More intelligent, more flexible and user friendly operation.

Software can be interrupted in order to add the primary antibody manually.

5、 Repeated “probe washing” function.

The probe is automatically and repeatedly washed between steps to avoid the reagent cross contamination.

6、 Improved secondary antibody.

The secondary antibody has been improved to achieve more efficient dyeing effect; tested and compared to other secondary antibodies.





Stainer Characteristics

High-capacity reagent containers



DAB reagent is toxic.
The process of dye preparation can be configured automatically



Independent temperature control of all 20 slides



Automatic QR code identification

The special slide prevents the reagent spillage



Staining Process Characteristics

The application probe is washed multiple times between steps to avoid reagents cross contamination

A

A

B

More intelligent and more flexible software.

B

**Staining
process
improvements**

D

Improved secondary antibody

D

C

Meticulous reagents quality control prior to application

C



Software

Smart design



English/Chinese operation language
(other languages possible)



Graphical interface



Operator-computer interaction interface
is simple, easy to understand and operate



THANK YOU

Stainer demonstrations are available in the lab; everybody is welcome