



STAINING SYSTEM

STAINING SYSTEM BHM101

SLIDE STAINER



1. Full English color touch screen display, ATM-type operation mode. The operation is simple and easy to understand.
2. Multiple sets of programs are available for editing (non-sequential editing can be performed, and dyeing steps and time can be programmed arbitrarily)
3. Automatic drying temperature can be set. The temperature around the drying cylinder is uniform, and there is a water and gas overflow.
4. With automatic detection and automatic reset function.
5. Strong anti-interference ability and high degree of intelligence.
6. Automatically control the flushing water level. When the dyed hanging blue enters the washing tank, the water is automatically filled in the washing tank. When the hanging blue leaves the washing tank, the water injection is automatically stopped, and the water in the tank is drained.

SPECIFICATIONS

Model	BHM101
Old Model	BHTP-403
Editable programs	16 sets, programmable arbitrarily
Processing volume per cylinder	1000 ml
Loading capacity	65 pieces each time
Single-cylinder processing time	0~99 min 99 sec
Number of shaking adjustments	Adjustable
Stirring times	Adjustable
Drip residence time	0~300 sec, adjustable
Cylinder positions	14 cylinders (1 washing, 1 drying)
Drying temperature	0-85 °C, adjustable
Power supply	220V 50Hz ±10%
Power consumption	≤300 W
Net Weight	80 kg
Dimensions	1161x480x550 mm
Package Info	
--Packing	Wooden Case
--Gross Weight	110 kg
--Package Dimensions	1260x615x695 mm
Alt Name	Slide Stainer

FEATURES

1. Full English color touch screen display, ATM-type operation mode. The operation is simple and easy to understand.
2. Multiple sets of programs are available for editing (non-sequential editing can be performed, and dyeing steps and time can be programmed arbitrarily)
3. Automatic drying temperature can be set. The temperature around the drying cylinder is uniform, and there is a water and gas overflow.
4. With automatic detection and automatic reset function.
5. Strong anti-interference ability and high degree of intelligence.
6. Automatically control the flushing water level. When the dyed hanging blue enters the washing tank, the water is automatically filled in the washing tank. When the hanging blue leaves the washing tank, the water injection is automatically stopped, and the water in the tank is drained.
7. It has the function of locking cylinder protection
8. The drip residence time is adjustable. The dripping time can be adjusted according to the sample volume and ambient temperature to ensure the purity of the reagent

9. The number of running steps is 24 steps, (the same cylinder position can be run repeatedly)
10. Adopt international standard synchronous toothed belt drive, low noise, high temperature resistance, corrosion resistance, high transmission accuracy, with photoelectric positioning sensor, so that the positioning is more accurate and the service life is long.
11. Harmful gas purification treatment: protect the health of staff and prevent the working environment from pollution

STAINING SYSTEM BHM1S1

HYBRIDIZER



1. This instrument is adopted FISH processing step, which can reduce a lot of manual operating time and avoid the damage of harmful reagent.
2. Full touch screen operation, friendly human interface.
3. Support restart functionality runs an unexpected power outage, when power is restored can be scheduled to automatically back up and running.
4. Supporting automatic cooling function after running over.
5. Supporting automatic warm-up function.
6. Platform high precision of temperature control, low fluctuation.
7. Can deal with 12 slides.
8. Support 105 custom programs stored functions.
9. Integrated denaturation and hybridization, hybrid, multiple-step operation threemodes of

SPECIFICATIONS

Model	BHM1S1
Old Model	BHTP-407
Temperature control range	RT+5 °C ~ 100 °C
Temperature set range	0 °C ~ 100 °C
Accuracy of temperature	≤ ±1 °C
Temperature stability	≤ ±1 °C
Heating time	≤2 min (37 °C to 95 °C)
Cooling time	≤6 min (95 °C to 45 °C)
Capacity	12
Power	350 W
Input voltage	220V / 50-60Hz
Fuse	250V 3A Φ5x20
Net Weight	4.5 kg
Dimensions	440x220x120 mm
Package Info	
--Packing	Wooden Case
--Gross Weight	6 kg
--Package Dimensions	580x390x300 mm
Alt Name	Hybridizer

FEATURES

1. This instrument is adopted FISH processing step, which can reduce a lot of manual operating time and avoid the damage of harmful reagent.
2. Full touch screen operation, friendly human interface.
3. Support restart functionality runs an unexpected power outage, when power is restored can be scheduled to automatically back up and running.

4. Supporting automatic cooling function after running over.
5. Supporting automatic warm-up function.
6. Platform high precision of temperature control, low fluctuation.
7. Can deal with 12 slides.
8. Support 105 custom programs stored functions.
9. Integrated denaturation and hybridization, hybrid, multiple-step operation three modes of operation.

STAINING SYSTEM BHM1N1

TISSUE SLIDE STAINER



1. Large screen English menu ,7-inch color touch screen operation;
2. Has the intelligent key function (can not see the screen blind operation), when the display screen has no display and touch function damage, the main function of the dyeing machine can be operated normally;
3. Program intelligent dynamic detection function, can track and detect the operation of specimens, and can judge and deal with various abnormal conditions, to prevent damage to specimens;
4. Use of ionized decomposition of harmful gases and activated carbon filtration, fully sealed internal circulation systems to ensure that operators are protected from harmful gases;
5. The washing cylinder uses the bottom of the cylinder to feed water automatically, and drains 3 cm below the cylinder opening to prevent the water from overfl

SPECIFICATIONS

Model	BHM1N1
Old Model	BHTP-402
Rated voltage	220V ±10% AC
Power frequency	50 ±1 Hz
Rated power	≤500 W
Reagent tanks	18 cylinders
Tank volume	1000 ml
Number of stained slides per batch	≥75 tablets
Net Weight	96.5 kg
Dimensions	1300x600x600 mm
Package Info	
--Packing	Wooden Case
--Gross Weight	132 kg
--Package Dimensions	1352x619x655 mm
Alt Name	Tissue Slide Stainer

FEATURES

1. Large screen English menu ,7-inch color touch screen operation;
2. Has the intelligent key function (can not see the screen blind operation), when the display screen has no display and touch function damage, the main function of the dyeing machine can be operated normally;
3. Program intelligent dynamic detection function, can track and detect the operation of specimens, and can judge and deal with various abnormal conditions, to prevent damage to specimens;
4. Use of ionized decomposition of harmful gases and activated carbon filtration, fully sealed internal circulation systems to ensure that operators are protected from harmful gases;
5. The washing cylinder uses the bottom of the cylinder to feed water automatically, and drains 3 cm below the cylinder opening to prevent the water from overflowing into the instrument due to the failure of the instrument pump, and also to avoid the upper spray

water, because the impulse is too large to wash out the diagnostic cells; the last cylinder is the oven .

6. It can automatically warm up hematoxylin, eosin and other dyes, and the dyeing effect is better and more stable (can be set to warm or not according to the requirements of use);

7. 18 reagents cylinder design, dye cylinder volume of 1000 ml (more than 75 pieces per batch of dyeable tablets) dyeing steps open, random increase or decrease settings, so that the dyeing machine is light and convenient, but also fully meet the requirements of dyeing;

8. Dyeing hanging back lateral transmission using steel linear guide rail with stepping motor, so that the operation is more accurate, will not be inaccurate cylinder, . (Its transverse drive does not use wire rope, belt or synchronous tooth belt, this kind of use time in the market will become relaxed, resulting in cylinder inaccuracy);

9. Can set up 30sets of running procedures to meet the requirements of a variety of dyeing methods;

10. The "self-detection" item is displayed on the operating display screen of the dyeing machine, which has the function of preventing the abnormal protection of the card cylinder, and can display the running state and various functions in real time;

11. Equipped with a special drying cylinder, dyeing after the completion of hot air drying, the real realization of the dyeing process once completed;

12. Automatic data storage with power failure, incoming calls continue to run function;

13. Has any cylinder start operation and any cylinder stop operation function;

14. Patent for a programmable stepper motor driver (patent number zl 2012 2 0009482.3);

15. Automatic flushing, pump-free and sensor-free automatic drainage, patent: a new type of cell tissue dyeing machine washing box (patent number: zl 2014); and 2 0828607.4)

STAINING SYSTEM BHM1P1

SLIDE STAINER



Frozen Section Specimens - Staining Steps
Fix specimen - Cylinder No. 1 (20 seconds)
Wash - Cylinder No. 4 (10 seconds)
HE staining - Jar No. 2 (1 minute 20 seconds)
Wash - Tank No. 4 (10 seconds)
Differentiate - Tank No. 3 (1 time)
Wash - Tank No. 4 (10 seconds)
Unblue - Tank No. 7 (10 seconds)
Wash - Tank No. 4 (10 seconds)
Ehong stain - Tank No. 8 (3 seconds)
Wash - Tank No. 4 (3 seconds)
75% alcohol - Tank No. 9 (6 seconds)

SPECIFICATIONS

Model	BHM1P1
Number of liquid cylinders	15
First cylinder function	Automatic start-up saving cylinder
Number of cleaning tanks	3
Number of hematoxylin tanks	1 (water bath heating)
Number of differentiation tanks	1
Number of eosin tanks	1
Number of anti-blue cylinders	1
Number of gradient alcohol tanks	5
Number of end cylinders	1
Single cylinder processing time	1 sec - 59 min
Temperature setting range (hematoxylin & warm water return tank)	0-99 °C adjustable
Dyeing steps	18 steps
Number of stained slides per rack	20 slides

Loop working mode	Infinite loop (3 dyeing racks)
Single dyeing time	4 minutes adjustable
Water inlet & sewage drainage system	Ensures water quality, water-saving
Hematoxylin heating & ultrasonic coloring	Water bath + ultrasonic, patented
Differentiation cylinder priority	Priority processing
Single staining capacity	20 slides (breast resection technology)
Blue returning methods	3 methods, warm water heating patented
Dyeing rack identification	Automatic identification function
Alarm function	Yes (after completion)
Number of programs	10 programs
Net Weight	55 kg
Dimensions	810x430x450 mm
Package Info	
--Packing	wooden case
--Gross Weight	70 kg
--Package Dimensions	880x510x535 mm
Alt Name	Slide Stainer

FEATURES

Frozen Section Specimens - Staining Steps

Fix specimen - Cylinder No. 1 (20 seconds)

Wash - Cylinder No. 4 (10 seconds)

HE staining - Jar No. 2 (1 minute 20 seconds)

Wash - Tank No. 4 (10 seconds)

Differentiate - Tank No. 3 (1 time)

Wash - Tank No. 4 (10 seconds)

Unblue - Tank No. 7 (10 seconds)

Wash - Tank No. 4 (10 seconds)

Ehong stain - Tank No. 8 (3 seconds)

Wash - Tank No. 4 (3 seconds)

75% alcohol - Tank No. 9 (6 seconds)

Water wash - Tank No. 4 (set 0)

85% alcohol - Tank No. 10 (6 seconds)

95% alcohol - Cylinder No. 11 (6 seconds)

100% alcohol - Cylinder No. 12 (6 seconds)

100% alcohol - Cylinder No. 13 (6 seconds)

Xylene - Cylinder Position No. 14 (6 seconds)

Xylene (final) - Cylinder Position No. 15 (1 second, end)

STAINING SYSTEM BHM1M1

AUTOMATIC SLIDE STAINER



1. Adopt PLC control system and Electronic Touch Screen, it's convenient to operation and low failure rate.
2. Adopt high performance stepper motor and drive with Synchronous Belt, to ensure the balanced running, accurately fixed position, min. noise and so on.
3. Adopt Photoelectric switch to fixed position, it has find position memory and reset automatically functions.
4. It can store 5-10 different programs to meet the different staining requirements.
5. Battery backup can be optional, to permit staining of slides to continue during the main power failures.

SPECIFICATIONS

Model	BHM1M1
Old Model	BHTP-401
Specimen slide throughput	At least 200 specimen slides per hour (depend on program)
Loading capacity	3-5 slides rack
Slide rack capacity	30 specimen slides
Total number of stations	26
Number of reagent stations	18
Reagent container volume	600 ml
Number of wash stations	3
Number of wait stations	3
Oven	1 (last station, 26th)
Oven chamber temperature	Ambient to 85 °C
Load/unload stations	1 each
Incubation time setting	0-9999 sec
Permanent memory capacity	5 programs, up to 24 steps each
Operation temperature range	15 °C to 35 °C
Relative humidity	≤90% (+25 °C)
Dimension (WxDxH)	120x50x60 cm
Voltage	220V, 50Hz
Power rating	300VA
Net Weight	91 kg
Dimensions	1230x650x560 mm
Package Info	
--Packing	Wooden Case
--Gross Weight	133 kg
--Package Dimensions	1320x760x750 mm
Alt Name	Automatic Slide Stainer

ITEMS INCLUDED

No	Name	Unit
1	Tanks	26 pcs
2	Tissue basket	1 pc

3	Fuse (5A)	2 pcs
4	Power line	1 line

ACCESSORIES FOR PURCHASE

No	Name
1	Extra Tank
2	Slide Basket
3	Transmission belt

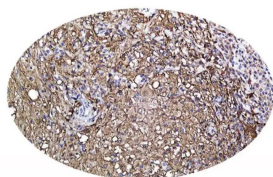
FEATURES

1. Adopt PLC control system and Electronic Touch Screen, it's convenient to operation and low failure rate.
2. Adopt high performance stepper motor and drive with Synchronous Belt, to ensure the balanced running, accurately fixed position, min. noise and so on.
3. Adopt Photoelectric switch to fixed position, it has find position memory and reset automatically functions.
4. It can store 5-10 different programs to meet the different staining requirements.
5. Battery backup can be optional, to permit staining of slides to continue during the main power failures.
6. It has 26 stations: From 1 to 17 stations are reagent containers, 19, 21, 23 stations are water washing containers, 18, 20, 22 stations are waiting containers that for putting the ready staining racks. 24 station for loading staining rack. 0 station for unloading staining rack. 25 station is oven.

STAINING SYSTEM BHM1Q1

IMMUNO AUTO STAINER

The standardization of the test method of Immunostainer is becoming more and more important with the wide use of the Immunostainer technology in modern pathologic diagnosis because it has a bearing on the prognosis and treatment of the patient. Immunohistochemistry Stainer adopts European advanced technology with an intelligent program interface which is easy to understand and operate, thus providing a scientific and reliable platform for the standardization of the test method of Immunostainer.



The clean-out opening of the drop-tube can make both the interior and exterior wall of the drop-tube cleaned and avoid cross pollution.

Slide loading frame with convenient pin insertion. Keep the slide smooth and stable.

64 kinds of reagent location frame. The reagent bottle can be taken out and placed in the refrigerator after its usage.

The subarea location of the slice assures that the minimum reagent quantity exerts its maximum effect. 1-3 tissues can be dyed once at the same time.

Features

Open the system, suitable for reagents of different company

Suitable for various kinds of specimen: paraffin, refrigerated and punctured microtome sections, cell smear and marrow microtome section

SPECIFICATIONS

Model	BHM1Q1
Old Model	BHTP-405
Slides Capacity	48

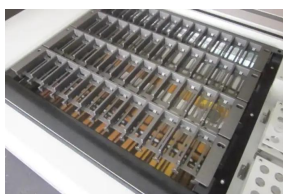
Reagents Capacity	64
Minimum dropping reagent	50 μ l
Dropping reagent increment	50 μ l, 100 μ l, 150 μ l, 200 μ l
Maximal output power	$\leq$ 350 VA
Working noise	$\leq$ 60 dB(A)
Application	IHC, HE more
Dimensions (mm)	1015x665x520 mm
Power supply	220V or 110V
Rated current	1.6 A
Net Weight	116 kg
Package Info	
--Packing	Wooden Case
--Gross Weight	158 kg
--Package Dimensions	1100x750x710 mm, 810x510x560 mm
Alt Name	Immuno Auto stainer



FEATURES



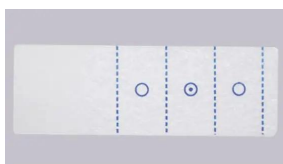
The clean-out opening of the drop-tube can make both the interior and exterior wall of the drop-tube cleaned and avoid cross pollution.



Slice loading frame with convenient pin insertion. Keep the slice smooth and stable.



64 kinds of reagent location frame. The reagent bottle can be taken out and placed in the refrigerator after its usage.



The subarea location of the slice assures that the minimum reagent quantity exerts its maximum effect. 1-3 tissues can be dyed once at the same time.

Features

Open the system, suitable for reagents of different company

Suitable for various kinds of specimen: paraffin, refrigerated and punctured microtome sections, cell smear and marrow microtome section

Precise micro dropping rates of reagent adjustable to the minimum of 50ul, thus saving expensive reagent

Different dropping rates of antibody can be set for different tissue section

Excellent overall sealing keeps the inside environment wet

Contents are under the protection of secret code

The dropper point surface is Teflon treated and can be thoroughly cleaned to avoid cross contamination

Movable scavenging gentle air blows off the liquid residue on the tissue sections.

Open system, Suitable for various kinds of specimen

True hands free, walk away ,overnight operation.

Easy WindowsTM based programming,password protection

Allows for several stainers using single computer simultaneously

User-specified protocols/User's own reagents,serval runs per day

Robust, proven construction and operation

No disposable pipette tips

Per-run reagent volume checks

Detailed reports stored

No additional consumable costs

No special reagents-using for different company

STAINING SYSTEM BHM1R1

IMMUNO AUTO STAINER



1. Immunostainer systems include: stainer, Retriever computer and printing system. Automate and standardize your IHC experiments to help you get safe, reliable, high-quality staining results.

2. The Immunostainer consists of an automated pretreatment system and an automated immunohistochemical staining system. Pretreatment and staining are operated separately, allowing for more flexible scheduling and intermediate quality control.

3. Fully automatic Immunostainer can automatically complete the entire process of immunohistochemical staining, which provides advanced immunohistochemical standardization and automated solutions to overcome the hand-dyeing time-consuming, poor repeatability.

SPECIFICATIONS

Model	BHM1R1
Old Model	BHTP-406
Slides Capacity	48 pcs
Reagents Capacity	48 pcs
Reagent Usage	50-600 µl
Cross-contamination	<10 ⁻⁶
Operation Temperature	Ambient
Dimension (LxWxD)	107x69x58 cm
Package Info	
--Packing	Wooden Case

--Gross Weight	116 kg
--Package Dimensions	1200x850x850 mm / 700x400x400 mm
Alt Name	Immuno Auto stainer

FEATURES

1. Immunostainer systems include: stainer, Retriever computer and printing system. Automate and standardize your IHC experiments to help you get safe, reliable, high-quality staining results.
2. The Immunostainer consists of an automated pretreatment system and an automated immunohistochemical staining system. Pretreatment and staining are operated separately, allowing for more flexible scheduling and intermediate quality control.
3. Fully automatic Immunostainer can automatically complete the entire process of immunohistochemical staining, which provides advanced immunohistochemical standardization and automated solutions to overcome the hand-dyeing time-consuming, poor repeatability and other shortcomings. The Fully automatic Immunostainer is fast, accurate, reliable, reproducible, cost-effective and offers flexible workflows to meet different client needs.
4. Allows for several stainers using a single computer simultaneously.
5. Sample volume: 50-600ul adjustable, to maximize the cost control.
6. 3 sample loading adjustment sites to maximize reagent utilization and reduce costs.
7. Needle automatic vacuum washing and drying function, effectively preventing cross-contamination.
8. Teflon does not hang liquid sample retention, save reagents, to avoid contamination .
9. Separate Toxic & non-toxic waste discharge , more environmentally friendly.
10. Automatic reagent level detection, automatic detection function, more intelligent and convenient the operation is very convenient with a variety of procedures.
11. The primary antibody is open, secondary antibody is not .And reagent bottle is registered once and can use repeatedly, saving time and reducing costs.

APPLICATIONS

Paraffin, frozen, puncture, cytology smears



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