



STERILIZATION PRODUCTS CATALOG

SHANGHAI JPS MEDICAL CO., LTD



SHANGHAI JPS MEDICAL CO., LTD

ABOUT US

Shanghai JPS Medical Co., Ltd, established in 2010, is a professional manufacturer and supplier of protective, disinfection and sterilization solutions and other medical disposables. Our products have been exported to 80 countries such as USA, EUROPE, Middle East and RCEP countries, etc. We are

1. highly recognized for our honesty and professional services.
2. well known for our reliable products, competitive price and fast delivery.
3. have rich experience in supporting partners to win government tenders.
4. have International certificates such as ISO13485, CE and FDA.

We are able to provide ONE STOP SOLUTION to your medical demands.

YOUR BENEFIT WILL BE

1. Have a stable and reliable supplier from China.
2. Enjoy the exclusivity for sales of JPS brand products in your market.
3. Be more competitive to win government tenders.
4. Be free from risks from payment, quality and transportation, etc.
5. To Share with you our global business opportunities and experience.

JPS MISSION

1. Provide the patients, doctors and other medical professionals with safe, convenient and comfortable products.
2. Provide partners with the most efficient and professional services and the right products.

JPS, your reliable business partner in China.

\$50 million

80 countries and regions

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Chemical
Indicator tape

Steam Indicator Tape

Code: M51801

- Indicated ink without lead and heavy metals.
- All sterilization indicator tapes are produced according to ISO 11140-1 standard.
- Available in different width.



JPS MEDICAL
INDICATOR TAPE
Innovative, Customizable, Reliable.

Masking Tape

Code: M51800

- Made of crepe paper.
- Latex free.
- Available in different width.



EO Indicate Tape

Code: M51802

- Applied to ethylene oxide sterilizers.
- Effectively maintaining the integrity of sterilization packaging closure.
- Leadless color changing ink to avoid harm to the human body and environmental pollution.
- Available in different width.



Plasma Indicate Tape

Code: M51803

- VHP indication tape is designed to indicate whether a specific concentration and time has been reached for sterilization identification on items exposed to plasma sterilization methods. It is reliable and designed to facilitate the immediate identification of exposed objects, and also serve as a good option for packaging purposes of medical devices with SMS.



Color Change: From Blue to Pink



Chemical Indicator strip

Steam Indicator Strip

Code: M52801

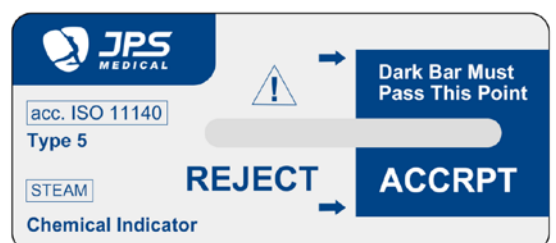
- Usage Scope: Sterilization monitoring of vacuum or pulsation vacuum pressure steam sterilizer under 132°C-136°C, downward displacement sterilizer (desktop or cassette).
- Usage: Place the chemical indicator strip in the center of standard test package or the most inapproachable place for steam. The chemical indicator card should be packed with gauze or Kraft paper to avoid dampness and then accuracy missing.
- Judgment: The color of chemical indicator strip turns black from initial colors, indicating the items passed the sterilization.
- Storage: in 15°C~30°C and 50% humidity, away from corrosive gas.



Steam Chemical Integrator

Code: M52802

- JPS Steam Chemical Integrators are chemical indicators consisting of a paper wick and a steam and temperature sensitive chemical pellet contained in a paper/film/foil laminate. The chemical pellet melts and migrates as a dark colour along the paper wick. The migration is visible through a window marked REJECT or ACCEPT. The extent of migration depends on steam, time, and temperature.



EO Indicator Strip

Code: M52803

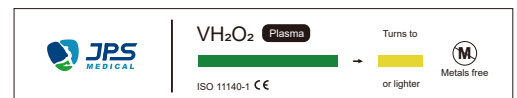
- Usage Scope: For indication and monitoring the effect of the EO sterilization.
- Usage: Put EO strips into EO sterilization room. The color of label turns blue from initial red after sterilization for 3hours under concentration 600±50ml/l, temperature 48°C ~52°C, humidity 65%~80%, indicating the item has been sterilized.
- Storage: in 15°C~30°C,50%relative humidity, away from light, polluted and poisonous chemical products.



Plasma Indicator Strip

Code: M52804

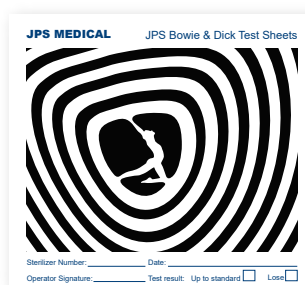
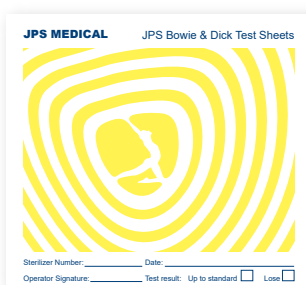
- It can monitor if hydrogen peroxide gas reach certain place. Please leave chemical indicator at upper left, Lower left, upper right, lower right, center of sterilization chamber and non-woven fabric package for better monitoring.



BD Test Pack

Code: M52805

- Non-toxic
- It is easy to record because of the data input table attached above.
- Easy and fast interpretation of color change from yellow to black.
- Stable and reliable discoloration indication.
- Scope of use:it is used to test the air exclusion effect of pre vacuum pressure steam sterilizer.



Before Sterilization

After Sterilization

Bowie & Dick Test Sheets

Code: M52806

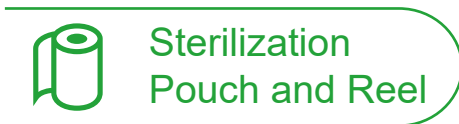
Air leaks in the sterilization chamber threatens the sterilization safety. Daily use of JPS Bowie & Dick Test Sheets help to determine sterilizer malfunctions at an early stage. JPS Bowie & Dick Test Sheets with DIN A4 dimension can be placed inside a pack made of dry towels according to EN 285 standard. After steam sterilization at 134°C – 3.5 min, the reactive ink will show clear and accurate color change from yellow to black. In case of sterilizer malfunction, the test sheet will show a non-uniform color development and possible failures can be interpreted easily by enclosed color change card. JPS Bowie & Dick Test Sheets conform to ISO 11140-1 and ISO 11140-3.



Adhesive Steam & EO Indicator Labels

Code: M52807

JPS adhesive indicator labels are double sided self-adhesive labels available with chemical indicator for steam or ethylene oxide sterilization methods. The lead free chemical indicators in compliance with ISO 11140-1 provide an easy interpretation and will show an accurate indicator color change after successful sterilization cycle.



Self-Sealing Pouch

Code: M51701

- Quick and secure closing of a pack without a heat sealer.
- Prefolded edge to facilitate tight sealing.
- Indicators for ETO and steam.
- Internal and external indicators design
- secure the sterilization process.



Size	57mm x (100+30)mm	70mm x (230+30)mm	90mm x (230+30)mm
	90mm x (135+30)mm	135mm x (250+30)mm	190mm x (350+30)mm
	200mm x (460+30)mm	305mm x (400+30)mm	400mm x (505+30)mm

Heat-Sealing Pouch

Code: M51702

- Quick and easy to seal
- Lead-free
- Indicators for steam, ETO and formaldehyde
- Standard microbial barrier medical paper 60GSM /70GSM
- New technology of laminated film CPP/PET



Size	75mm x 260mm	80mm x 250mm	100mm x 150mm	100mm x 250mm
	150mm x 200mm	200mm x 250mm	200mm x 400mm	250mm x 350mm
	300mm x 400mm	300mm x 500mm	300mm x 600mm	400mm x 500mm

Sterilization Paper Bag

Code: M51703

- Material: 60g medical paper
- Packing: 1000pcs/ctn



Size	90x50x150mm	90x50x250mm	110x30x190mm	140x75x250mm	140x50x330mm
	180x95x380mm	100x50x150mm	250x100x380mm	190x65x330mm	110x45x190mm

Flat Sterilization Reel

Code: M51704

- Width ranges from 5cm to 60cm, length 100m or 200m.
- Lead-free.
- Indicators for Steam, ETO and formaldehyde.
- Standard microbial barrier medical paper 60GSM /70GSM.
- New technology of laminated film CPP/PET.



Size	50mm x 200m(2x200m)	75mm x 200m(3x200m)	100mm x 200m(4x200m)	150mm x 200m(6x200m)	200mm x 200m(8x200m)
	250mm x 200m(10x200m)	300mm x 200m(12x200m)	350mm x 200m(14x200m)	400mm x 200m(16x200m)	450mm x 200m(18x200m)

Gusseted Sterilization Reel

Code: M51705

- Width ranges from 7.5cm to 60cm available to hospital CSSD.
- Package larger voluminous medical products.
- Lead-free.
- Indicators for steam, ETO and formaldehyde.
- Standard microbial barrier medical paper 60GSM /70GSM.
- New technology of laminated film CPP/PET.
- Gusset size on inquiry.



Size	75mm x 100m	100mm x 100m	150mm x 100m	200mm x 100m	250mm x 100m
	300mm x 100m	350mm x 100m	400mm x 100m	450mm x 100m	Acceptable Customization

Tyvek® Heat-Sealing Pouch/Reel

Code: 1073B, 1059B, 2FS

- Medical paper for Tyvek®, high quality easy tear film.
- Super bacteria barrier, clean stripping excellent tear strength.
- Meet ISO 11607 and EN 868 standard.
- Sterilization methods: Ethylene oxide (EO), Gamma radiation, Electron beam, Hydrogen peroxide gas plasma, Steam under controlled conditions, Low-temperature oxidative.



Size	75mm x 100m	100mm x 100m	150mm x 100m	200mm x 100m	250mm x 100m
	300mm x 100m	350mm x 100m	400mm x 100m	450mm x 100m	Acceptable Customization



Wrapping

Laminated Paper Wrapping Sheet

Code: M51301

- Material: Paper+PE.
- Color: white, blue or green.
- Sterilization: ETO.
- Size: customized.



SMS Wrapping Sheet

Code: M51302

- Material: SMS.
- Color: blue or green.
- Sterilization: Steam or ETO.
- Size: customized.



Crepe Paper

Code: M51303

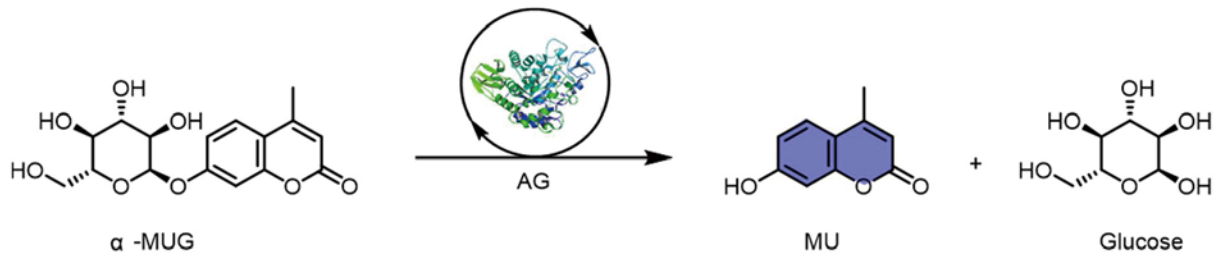
- Weight: 45gsm, 60gsm.
- Color: white, blue or green.
- Sterilization: Steam or ETO.
- Size: customized.



UNIQUE FLUORESCENT TECHNOLOGY

● How is this reaction related to Biological Indicators?

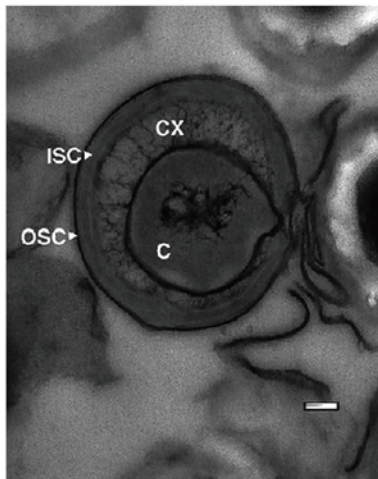
In this technology, the hydrolysis of methylumbelliferyl-alpha-D-glucoside (α -MUG) generates fluorescent methylumbelliferone (MU), is the basis for a rapid test for sterilization assurance.



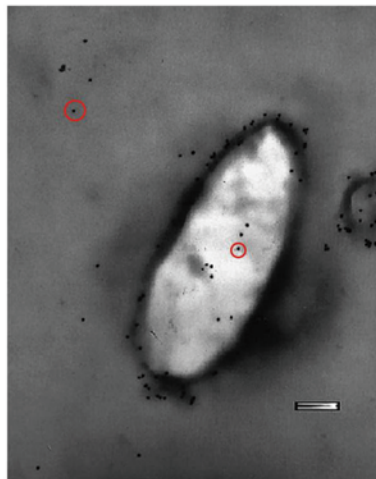
AG: Alpha-glucosidase (enzyme)

Glucose: Nutrients required for spore recovery and growth

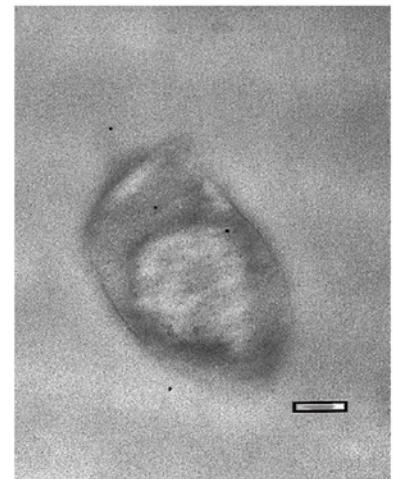
● The AG(enzyme) is associated to the spore coating (accumulated during sporulation)



An electron micrograph of the ultrastructure of a dormant *Bacillus stearothermophilus* spore(ATCC 7953)

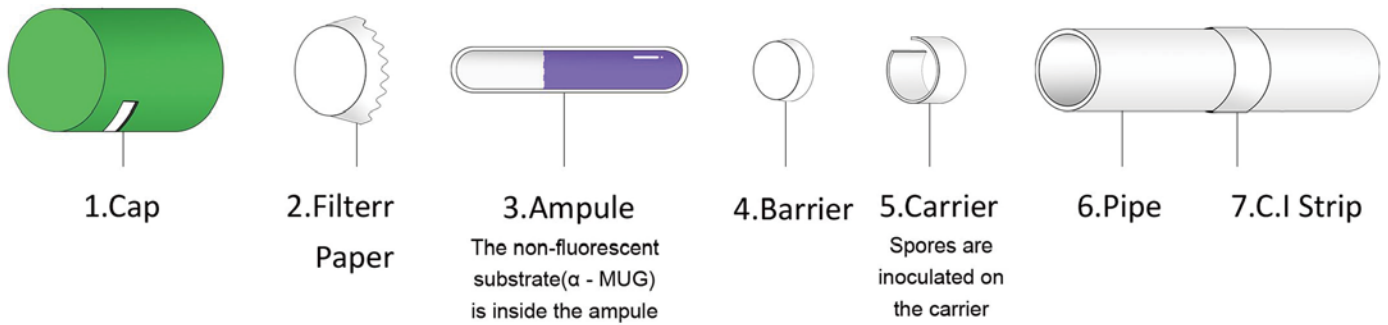


Immunoelectron microscopic localization of alpha-glucosidase enzyme in dormant spores of *Bacillus stearothermophilus* ATCC 7953

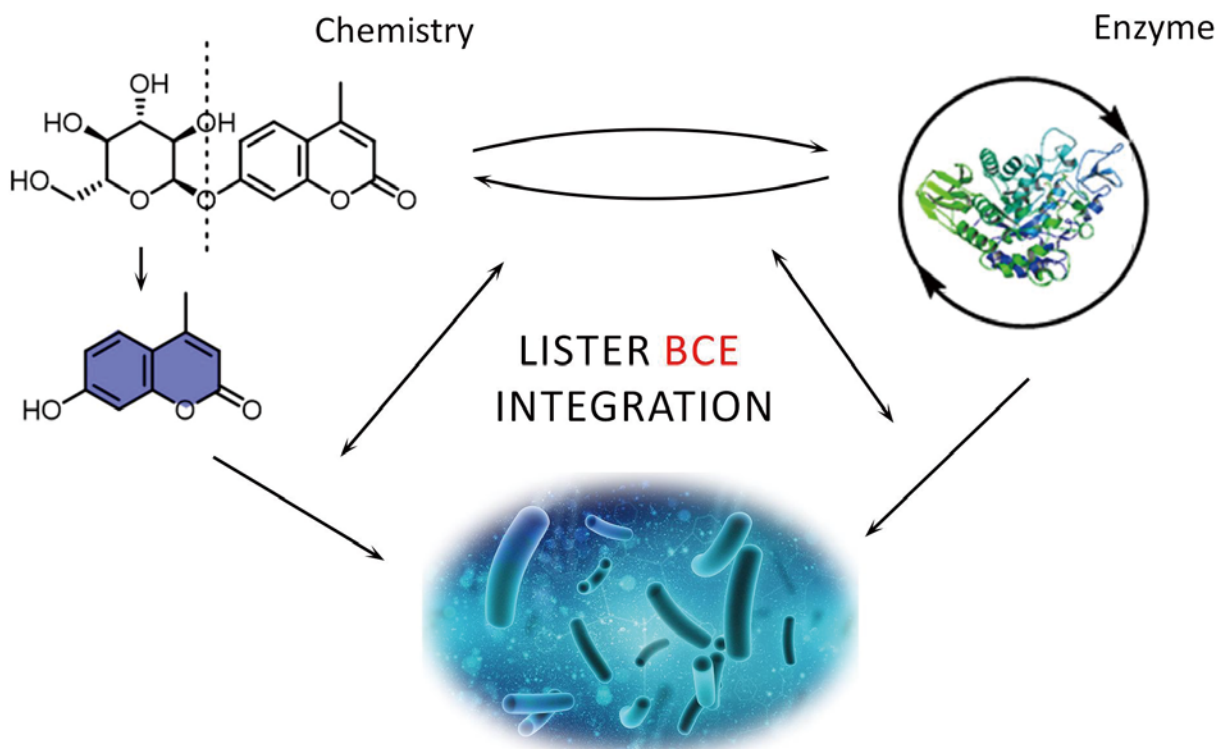


Immunoelectron microscopic localization of alpha-glucosidase enzyme in dormant spores of *Bacillus stearothermophilus* ATCC 7953

Structure of Biological Indicators



● How does this reaction predict the inventory of spores?





Biological Indicator

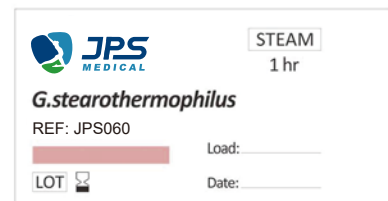
STEAM

- Microorganism: *Geobacillus stearothermophilus* (ATCC® 7953)
- Population: 10⁶ Spores/carrier
- Read-Out Time: **20 min, 1 hr, 3 hr, 24 hr**
- Regulations: ISO13485:2016/NS-EN ISO13485:2016
ISO 11138-1:2017; ISO 11138-3:2017; ISO 11138-8:2021



STEAM 20min

STEAM 1h



Tag

PRDUCTS	TIME	MODEL
Steam Sterilization Biological Indicators (Ultra Super Rapid Readout)	20 min	JPS020
Steam Sterilization Biological Indicators (Super Rapid Readout)	1 hr	JPS060
Steam Sterilization Biological Indicators (Rapid Readout)	3 hr	JPS180
Steam Sterilization Biological Indicators	24 hr	JPS144
Steam Sterilization Biological Indicators	48 hr	JPS288

VH₂O₂

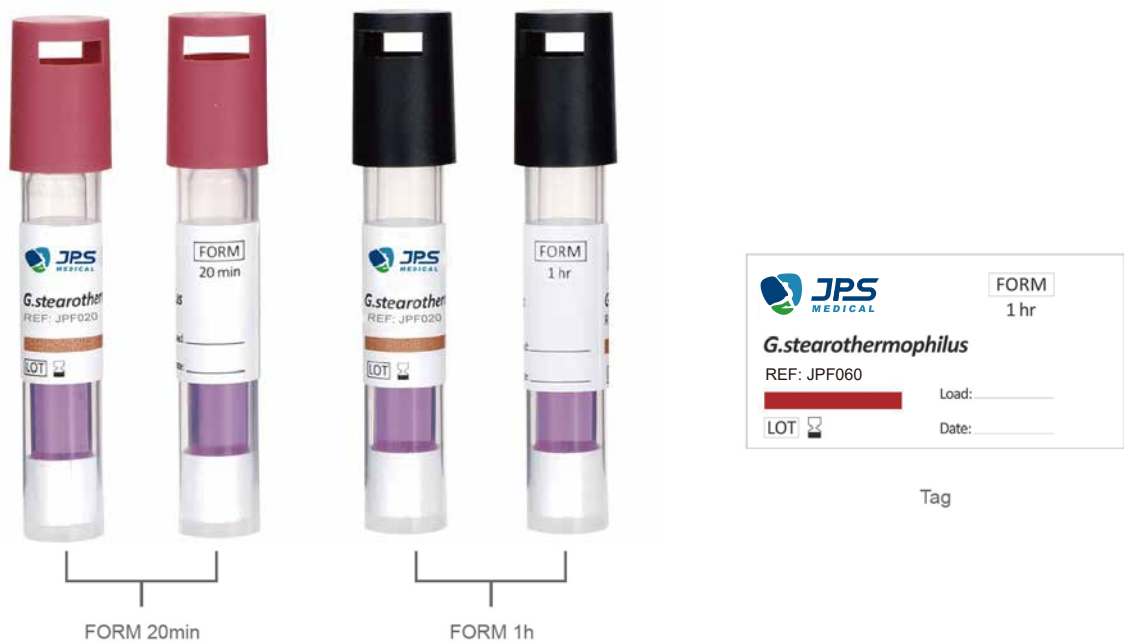
- Process: Hydrogen Peroxide
- Microorganism: *Geobacillus stearotherophilus* (ATCC® 7953)
- Population: 10⁶ Spores/carrier
- Read-Out Time: 20 min, 1 hr, 48 hr
- Regulations: ISO13485:2016/NS-EN ISO13485:2016
ISO 11138-1:2017; BI Premarket Notification[510(k)], Submissions, issued October 4, 2007



PRPDUCTS	TIME	MODEL
Vaporized Hydrogen Peroxide Biological Sterilization (Ultra Super Rapid Readout)	20 min	JPH020
Vaporized Hydrogen Peroxide Biological Sterilization (Super Rapid Readout)	1 hr	JPH060
Vaporized Hydrogen Peroxide Biological Sterilization (Rapid Readout)	3 hr	JPH180
Vaporized Hydrogen Peroxide Biological Sterilization Indicators	24 hr	JPH144
Vaporized Hydrogen Peroxide Biological Sterilization Indicators	48 hr	JPH288

FORM

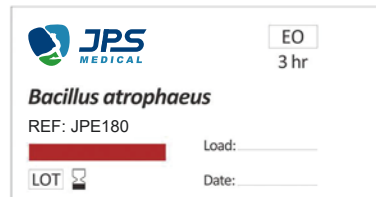
- Process: Formaldehyde
- Microorganism: *Geobacillus stearotherophilus* (ATCC® 7953)
- Population: 10⁶ Spores/carrier
- Read-Out Time: 20 min, 1 hr
- Regulations: ISO13485:2016/NS-EN ISO13485:2016
ISO 11138-1:2017; BI Premarket Notification[510(k)], Submissions, issued October 4, 2007



PRPDUCTS	TIME	MODEL
Formaldehyde Sterilization Biological Indicator (Ultra Super Rapid Readout)	20 min	JPF020
Formaldehyde Sterilization Biological Indicator (Super Rapid Readout)	1 hr	JPF060
Formaldehyde Sterilization Biological Indicator	24 hr	JPF144
Formaldehyde Sterilization Biological Indicator	48 hr	JPF288

EO

- Process: Ethylene Oxide
- Microorganism: *Bacillus atrophaeus* (ATCC® 9372)
- Population: 10⁶ Spores/carrier
- Read-Out Time: **3 hr**, 24 hr, 48 hr
- Regulations: ISO13485:2016/NS-EN ISO13485:2016
ISO 11138-1:2017; ISO 11138-2:2017; ISO 11138-8:2021



Tag

PRPDUCTS	TIME	MODEL
Ethylene Oxide Sterilization Biological Indicator (Rapid Readout)	3 hr	JPE180
Ethylene Oxide Sterilization Biological Indicator	48 hr	JPE288



Auto Reader

Power Specifications:

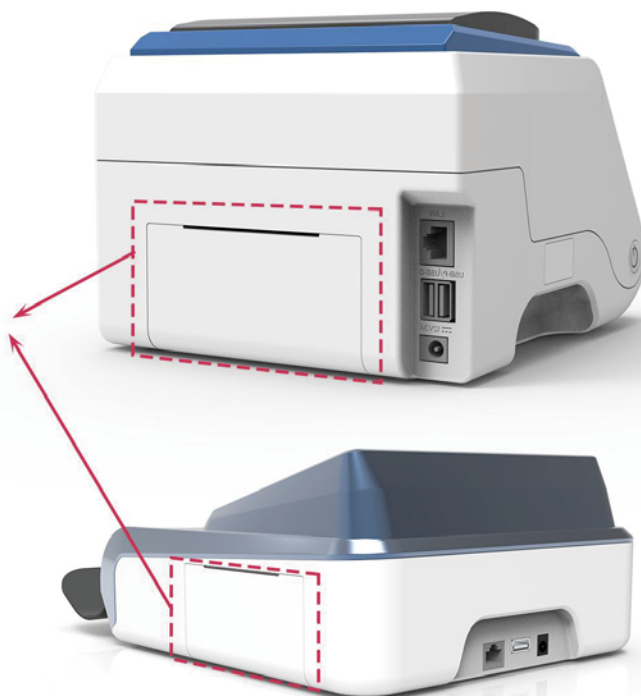
Input: AC power requirements of 100~240V, 1.5A, 50/60Hz.
 Output: DC power of 12V, current ranging from 300mA to 6000mA.
 Operating Temperature: Between 5°C and 35°C.
 Operating Humidity (RH): ≤95% (no condensation above 85%).
 Operating Atmospheric Pressure: 700~1060 HPa.
 Operating Voltage: DC 12V.
 Operating Current: [max] DC 1.8A.
 Storage Temperature: Between -10°C and 45°C.
 Storage Humidity (RH): 10%~90% (non-condensing).
 Overvoltage Category: II .
 Pollution Degree: 2.

Cultivation Time:

Varies for different sterilization methods, e.g.,
 Hydrogen peroxide low-temperature plasma sterilization: 20/60 minutes;
 Pressure steam sterilization: 20/60 minutes;
 Low-temperature steam formaldehyde sterilization: 20/60 minutes;
 Ethylene oxide sterilization: 180 minutes.

Embedded Printer:

The device features a built-in printer for real-time printing of cultivation results.
 Paper roll size is Φ30×57mm.



Weight:

Net weight is 1.2 kg, excluding the power adapter;
 Gross weight is 1.5 kg, including the power adapter and foam padding.



Number of Cultivation Holes:

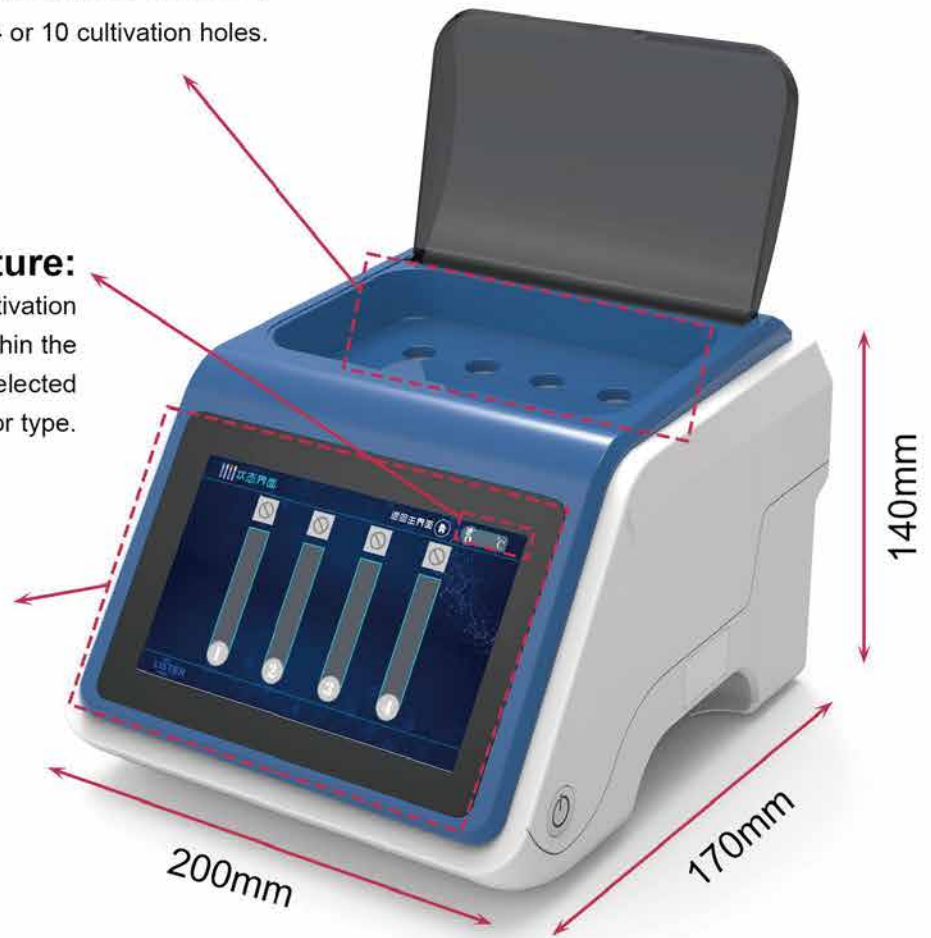
The device has 4 or 10 cultivation holes.

Cultivation Temperature:

The device supports a cultivation temperature within the range of $37/58\pm 2^{\circ}\text{C}$ and can be selected based on the indicator type.

Screen:

The screen size is 5 inches and is touch-sensitive.
Screen resolution is 800×480 , TFT, supporting 256,000 colors.



Medical Sealing Systems

Touch Screen Sealing Machine

Code: JPSE-03T

- 7 color capacitive touch screen, with Android operation system graphical user interface, built-in clock, and parameters can be set up and stored.
In-built color touch control screen can be used without computer connection to set up or change the operation parameters, with English input methods or using optional scanning gun.
- 8 million records of sealing and printing information can be inquired by printing parameters database or you can use wireless router to adjust them.
- Safe operation: If the sealing temperature and sealing pressure exceeds setting range, the machine will automatically stop working, which effectively guarantees the seal quality and safety.
- Printing system can print medical device labels, marks and information, Printing of sterilization date, expiry date, lot No., Sterilizer No., operators and department conforms to relevant standards.
- With in-built printer font width, space are adjustable, convenient for more information to be printed on narrow pouches; print function can be closed with one-key or partially activated.



Screen Display

Medical Material

Steam Sterilizable Film (PET/ CPP)

Code: M56801

JPS offers PET/ CPP laminated film webs specially developed for sterile medical device packaging purposes.
JPS PET/ CPP film webs are based on a special formula for STEAM sterilization by providing exceptionally sealing performance by increased bondability, tensile strength and melting point. The film web offers a clean and uniform peel and can withstand steam sterilization process.
The special film offers new and cost-efficient high-quality sterilization packages.



Tear Free

Tyvek Webs

Code: 1073B, 1059B, 2FS

Tyvek is a rather unique material in the stable packaging classification. It is known for its outstanding strength, durability and tear resistance. As well as industrial use for EO and Gamma sterilization, Tyvek is also used for H₂O₂ Gas Plasma sterilization at hospitals.

Tyvek made by DuPont, is manufactured by using heat and pressure to bond very fine continuous filaments of high density polyethylene (HDPE) together. The unique manufacturing process makes Tyvek a high strength, high-barrier and breathable material for medical packaging.



- High BFE
- Excellent peelability
- High puncture and tear resistance
- Non-printed or printed up to 6 colors
- Available with H₂O₂ Plasma indicator printing
- Cleanroom packaging
- High seal performance with PMS film web
- Conform to EN 868-9

Medical Grade Paper

Code: M57801

JPS offers different medical grade papers suitable for steam, ethylene oxide, formaldehyde and irradiation sterilization methods.

JPS medical grade paper is made of 100% cellulose fibers and is designed to allow sterilization agent penetration. The unique dense and matted layer structure of the fibers provides a high bacterial barrier performance after the sterilization and during the storage of sterilized packs.

JPS medical grade paper meet Medical Industry's requirement for high quality, hygiene and safety levels and comply with international standards.





CONTACT



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