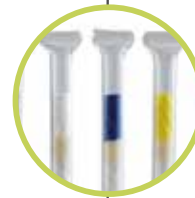


# SYMS III

SYMS III equipment has been designed for use in clean room and under laminar flow to thermally seal all CBS™ High Security products.



## Application fields

- Biorepositories for epidemiological and disease research
- Hospital biobanks
- Cell and genetic therapy units
- Pharmaceutical companies producing vaccines from living cells
- Genetic heritage archives
- Sperm banks
- Laboratories and clinics specialized in reproduction biology

## Technical features

- Dimensions: L335 x W250 x H105 mm (L13.2 x W9.8 x H4.1")
- Weight: 3 kg (6.6 lb)
- Pre-set specific combination of seal temperature, time and jaw position for each CBS™ device
- Working temperature range: from 5 to 30°C (from 41 to 86°F)
- Relative humidity: 80%
- Maximum elevation: 2000 m (6,562 ft)
- Designed for use in indoor laboratories
- P3 laboratory compatible

## International standards compliance

- Low voltage N°73/23 CEE
- CEM 89/336 CEE
- EN 61010-1 / 61326-1 / 61326/A1
- CAN/CSA C22.2 No. 1010.1-92

## A revolutionnary evolution !

- Seals all types of CBS™ High Security straws and tubes
- Automatic detection system
- User-friendly touch screen
- Easy to install, use, clean and maintain
- Compact size allows for use anywhere on the lab bench, under laminar flow or in field operations

# SYMS III

Cryo Bio System

## SYMS III

A unique sealer for CBS™ High Security straws and tubes



For the highest quality cryopreservation of biological samples

Medical Device  
Class IIa



+33 (0) 233 346 464



www.cryobiosystem.com



contact@cryobiosystem-imv.com



ZI n°1 Est, 61 300 L'Aigle, FRANCE



### RELIABILITY

- Guaranteed leak-proof and shatter-proof container all the way down to LN2 temperatures
- Mechanically resistant to pressures of up to 150 kg/cm<sup>2</sup>
- Indestructible under normal conditions of use
- Full seals eliminate any possibility of cross-contamination to the specimen or its environment

### TRACEABILITY

- Colors - Primary identification
- Outside printing on the straw
- Tamperproof labeled rod to insert inside the straws

### Bar codes - Positive identification

- A bar code and alphanumerical code inkjet printed on the straw
- Resistant to liquid nitrogen, abrasive ice crystals and plastic materials
- Printed jackets and labeled rods cannot be removed until the straw is opened for use

### VERSATILITY

#### Compatibility

- All nitrogen freezers and containers, both liquid and vapor phase
- Ultra low temperature mechanical freezers



### TOUCH SCREEN



Interactive, intuitive,  
laboratory glove compatible

### SPECIFIC HOLDERS



CBS™ High Security straw  
and HSV straw holder

CBS™ High Security  
tube holder

### DESIGNED FOR



### CBS™ HIGH SECURITY STRAWS AND HIGH SECURITY VITRIFICATION STRAW

- CBS™ High Security straw: made from biocompatible ionomeric resin, available in 0.3, 0.5 and 2 ml
- CBS™ High Security Vitrification straw: ultra thin CBS™ straw for closed vitrification
- All CBS™ straws are compatible with the CBS™ goblet and visotube storage system

### CBS™ HIGH SECURITY TUBE

- CBS™ High Security Tube: a biocompatible ionomeric resin tube, air tight sealed after filling
- Useful volume: 1.2 ml
- Compatible with common storage racks and boxes



## EASY TO USE...

1

### POSITION

Place the specific holder

2

### DETECTION

Place the straw or tube on the holder and gently push forward

3

### SEALING

As soon as the sensor detects the straw or tube in the sealing position, the sealing process starts automatically

4

### FINALIZATION

Seal process complete: Ready for freezing or vitrification



SAFETY



BIOCOMPATIBILITY



TRACEABILITY



OPTIMIZATION



- All CBS™ containers are developed to **optimize cryopreservation** of precious samples.
- CBS™ High Security straws benefit from a **high surface to volume ratio** for improved and **homogenous heat exchange** over the **total volume** of the straw.
- Thermal seal of CBS™ straws, HSV straws and CBS™ tubes enables **direct and complete immersion** in liquid nitrogen.
- **Color and bar code identification** without impairing the quality of the samples through temperature changes.