

The logo consists of the word "SAFE2" in white, bold, sans-serif capital letters, centered within a red rectangular box. This box is flanked by two black brackets, one on the left and one on the right, which are slightly taller than the box. A registered trademark symbol (®) is located to the upper right of the right bracket.

**SAFE2**®

The logo features the word "STEMCHOICE" in white, sans-serif capital letters. The letter "S" is significantly larger and more stylized than the other letters, with a red underline that extends across the entire word. A registered trademark symbol (®) is positioned to the upper right of the word.

**STEMCHOICE**®

# STEMCHOICE®

*Your choice for Innovation and Quality!*

STEMCHOICE® is the product line of **SAFE2** dedicated to the cryoconservation of stem cells. It was created after continuous and careful research, combining handiness and safety and with the purpose of meeting customers' needs.

## Safety

All cryobags go through different testing phases, one by one, both in pre- and post-production.

A quality label is applied on the finished product to guarantee its conformity to the tests.

The finished product is compliant with the internal and external quality standards and every production batch is provided with a Declaration of Conformity and a Production Control report.

## Innovation

Bags, overwraps and each single component are designed for a user-friendly experience.

Moreover, the special design of the bag perfectly fits the majority of existing bag holders.

The special needle-free connector guarantees the safety of the operator and reduces the risk of contamination.

## Quality

The material has the most innovative formulation of EVA, the welding is performed with the most advanced technologies and the components have been chosen in order to guarantee the highest safety and to minimize the risk of contamination.

## Handiness

The packaging is a double blister made of medical grade paper and disinfectable plastic film, containing the bag and its overwrap.

This allows and makes simple working in sterile conditions.

## Flexibility

A product that fits your needs!

The bags of STEMCHOICE® line are available in different sizes and configurations, depending on the application.

Moreover, thanks to our R&D team, we are able to offer custom-made solutions for specific needs.

## 1 The freezing bag

The bags are made of a biocompatible material, EVA (Ethyl Vinyl Acetate), and its specific formulation makes the product particularly flexible and highly resistant to the operating temperature range (from -196 °C to +37 °C).

**a.** Hanger holes: the bag is equipped with two reinforced holes, to ensure a stable anchorage.

**b.** A large support at the bottom of the bag, made with same material of the bag, allows the use of a label, suitable for containing all the information required by law (ISBT128), and prevents the risk of migration of the adhesive components into the bag.

**c.** The edges of the corners of bag are round shaped; this makes the full drainage of the bag easier thus minimizing the cellular loss.

**d.** The system has two taking ports, realized in EVA, for emptying the bags. The structure ensures the sterility during all phases, especially when opening the ports. The edges slightly penetrate the bag in order to avoid damages to the walls of the bags when spiking the port. The internal part of the ports has a slit that enables the complete bag drainage.

**e.** The injection tube is made of the same material of the bag (EVA) and is positioned close to the taking ports, in order to enable a faster and easier welding. In addition, it is possible to obtain contiguous segments of the tube as aliquots for routine tests.

**f.** The needle-free connection is an innovative injection system, for the connection of a luer-lock syringe and the port, with a swabable valve that provides a hermetic connection between the syringe luer tip and the valve. This structure ensures a closed system, even after disconnecting the syringe.

**g.** The connecting set, in PVC material, consists in one spike, one female luer-lock, one male luer-lock and one needle-free connector<sup>(1)</sup>. Each tube is provided with roller clamps<sup>(2)</sup> and a protective cap.

## 2 The overwrap bag

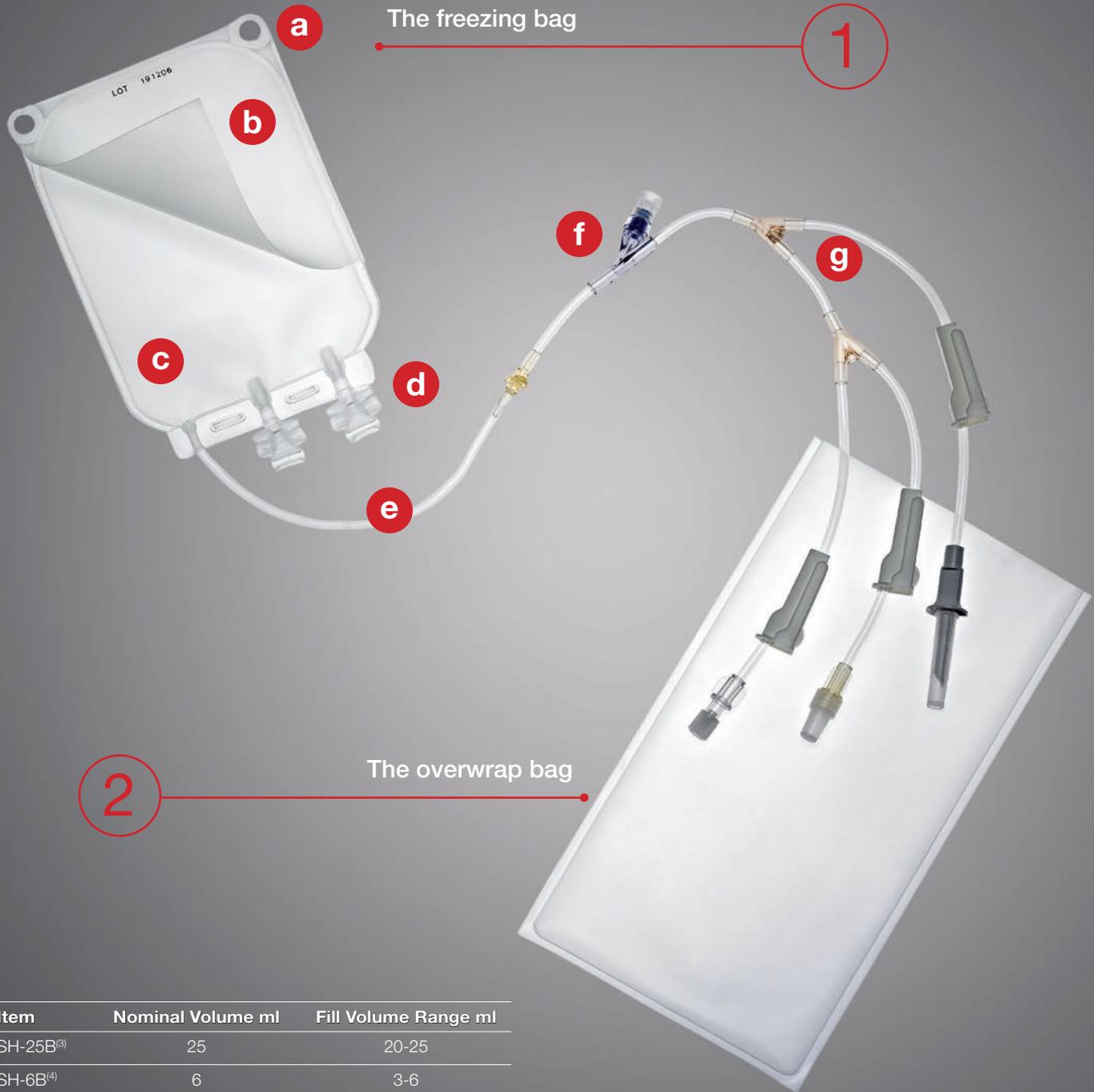
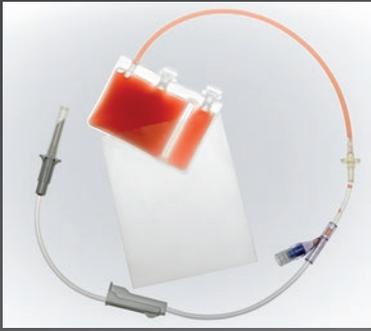
Safe and practical, the overwrap bag is a second protection for the samples: it ensures a good cryopreservation and prevents the risk of cross-contamination. Each bag is provided with an overwrap.

The material has the same performance of the primary bag and guarantees a resistant final welding.

In addition, it is possible to realize a double welding, obtaining a "pocket" for the test segments.

(1) Except SH-25B and SH-6B models that have different connecting sets

(2) Or clamps in case of SH-6B models



The freezing bag

1

The overwrap bag

2

Item	Nominal Volume ml	Fill Volume Range ml
SH-25B <sup>(3)</sup>	25	20-25
SH-6B <sup>(4)</sup>	6	3-6
SH-50B	50	10-30
SH-250B	250	30-70
SH-500B	500	55-100
SH-750B	750	80-180

(3) available as single compartment, double compartment or 4- compartment bag  
 (4) available as single bag and as multiple bags connected to one filling set (x3, x4, x6, ...)



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The entire manufacturing process is in conformity with ISO 13485:2016 certified quality system.



ADVATIS® is a contractual joint venture between SIAD Healthcare and Haemopharm Healthcare which combines the experience and know how in the healthcare market of the two companies.

SIAD Healthcare offers a wide range of products and services that cover many surgical specialties, cryobiology and medical gases with engineering and accessories. Haemopharm Healthcare is part of Paolo Gobbi Frattini Group who develops and manufactures flexible bags and medical devices for a wide range of pharmaceutical and medical applications.

SAFE2® is a line of bags for cryopreservation that was developed thanks to the expertise of the two companies. It is manufactured by Haemopharm Healthcare and marketed by SIAD Healthcare worldwide.

ADVATIS® portfolio provides innovative solutions in the field of cryopreservation and cell therapy, offering a wide range of products to cover the different stages of collection, manipulation and preservation of stem cells and tissues. Thanks to a high level of flexibility and with the support of our R&D team, ADVATIS® can offer custom-made solutions to meet customers' needs.

Partnership between:



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