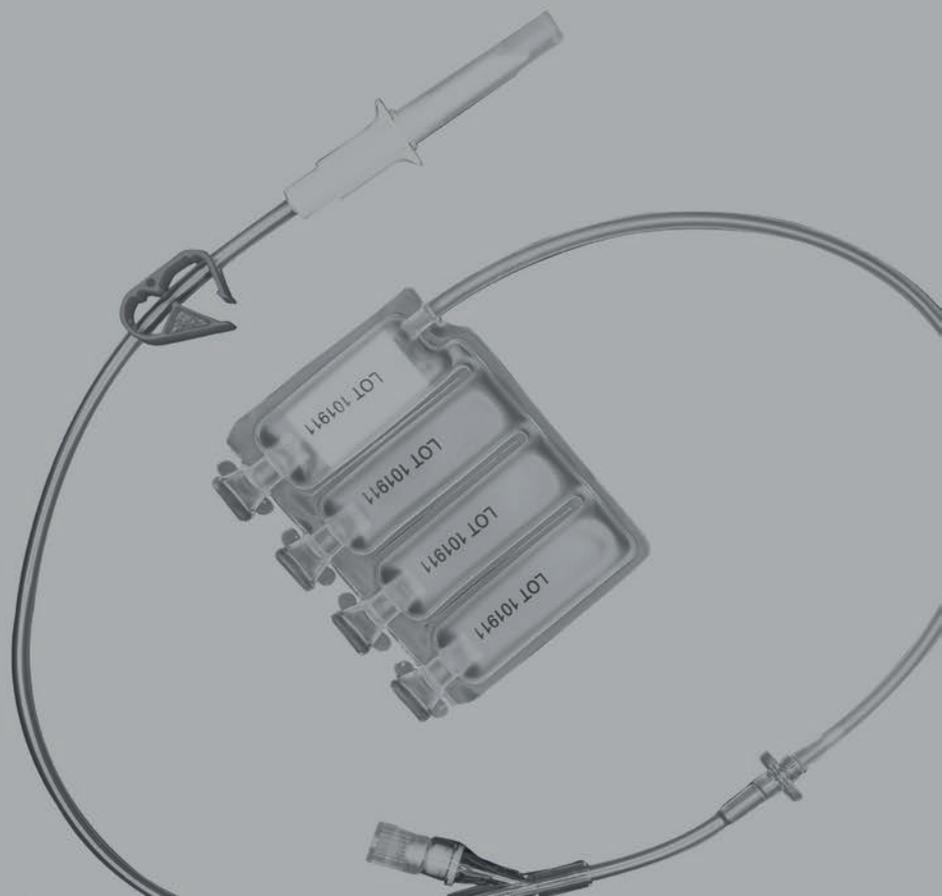
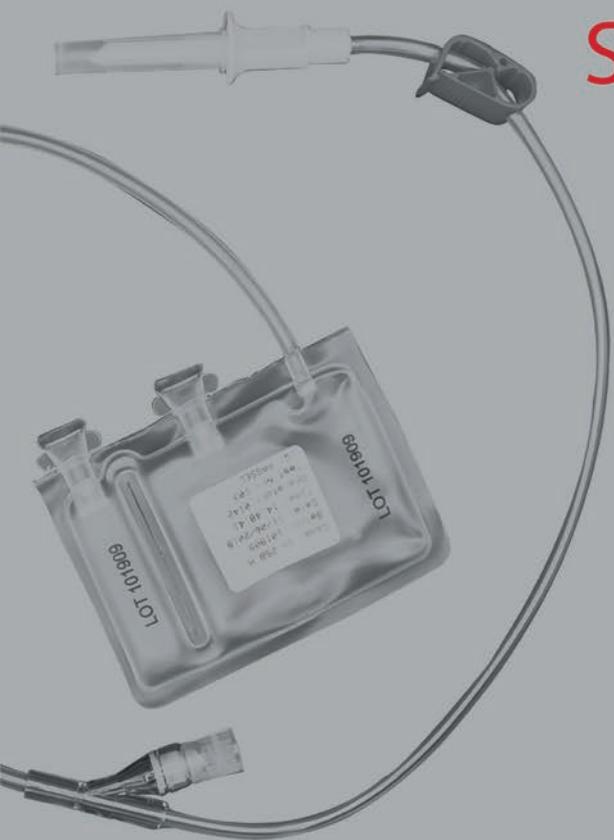


SAFE2[®]

STEMCHOICE[®]

Low Volumes



STEMCHOICE®

The choice for Innovation and Quality!

STEMCHOICE® is the product line of **SAFE2** dedicated to the cryoconservation of stem cells. For some applications, like cord blood preservation, low volume bags are required. ADVATIS has developed a special family dedicated to the cryopreservation of low volumes, from 3 to 25 ml.

Safety

All cryobags go through different testing phases, one by one, both in pre- and post-production phase. A quality label is applied on each bag 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, available only for SH-25B family, 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).

- The edges of the corners of bag are round shaped; this makes the full drainage of the bag easier thus minimizing the cellular loss.
- The system has one or more taking ports 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 allows the complete bag drainage.
- 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.
- The needle-free connection (available on the SH-25B family) is an innovative injection system, for the connection of a luer-lock syringe, 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.
- The connecting set, in PVC material, varies from model to model. The SH-6B bags are provided with a female and a male luer-lock for a fast injection of low volumes through a syringe. The SH-25B bags are provided with a spike that can be connected to a bag to transfer the biologic sample. The tubes are provided with a roller clamp or a clamp.

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 allows a resistant final welding.

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



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

STEMCHOICE®

SH
25B

This product family includes standard flat and pre-shaped bags. The standard bags are available as single compartment (SH-25B MONO) and double compartment 20+5 ml (SH-25B).

Thanks to a special configuration, the 25 ml pre-shaped bags, allow a better distribution of the sample ensuring a more homogeneous freezing. This product line for the moment includes 3 models: a single compartment bag, that allows to use all the stem cells for one treatment (SH-25B MONO-H); a double compartment bag, with the distribution of 20% of the sample in one chamber and 80% in a second chamber (SH-25B-H); and lastly, a multi compartment bag, that allows to cryopreserve the stem cells of one donor in 4 separate compartments that can be thawed and used in 4 different moments or for a single treatment (SH-25B TETRA-H).

Item	Nominal Volume ml	Fill Volume Range ml
SH-25B	25	20-25
SH-25B-H	25	20-25
SH-25B MONO	25	20-25
SH-25B MONO-H	25	20-25
SH-25B TETRA-H	25	20-25



STEMCHOICE®

SH
6B

This product family exists in different configurations, a variable number of pouches is connected to one filling set.

The customers can chose the number of bags depending on their needs. Each bag is provided with a clamp that allows an equal distribution of the sample.

The bags can be stored together or separately and used for a single treatment or thawed in different stages.

Item	Nominal Volume ml	Fill Volume Range ml
SH-6B	6	3-6
SH-6Bx3	6 (x3)	3-6 (x3)
SH-6Bx4	6 (x4)	3-6 (x4)
SH-6Bx6	6 (x6)	3-6 (x6)



SAFE2



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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