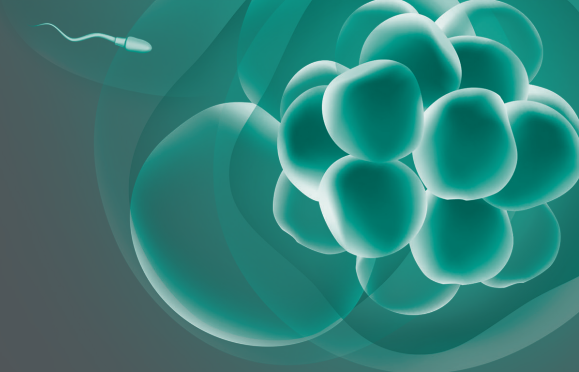


Consumables for cryopreservation and storage



Straws for cryopreservation: A standard based on safety and experience

For over 30 years, Minitube straws are used for the freezing of biological samples. As a worldwide standard for semen freezing, they are perfectly suitable for storage in liquid nitrogen at -196°C or in vapor phase. Minitube's quality control process, production techniques and material selection guarantee a reliable product that consistently exceeds industry standards.

Your benefits

- Raw material meeting highest biocompatibility standards
- Free of toxic plasticisers and demoulding additives
- Mouse embryo (MEA) and endotoxicity (LAL) tested
- Tested for bioburden
- 100% control for uniform quality within and between batches
- Stable shape for easy handling and storage, perfectly compatible with controlled rate freezers
- Selection of different lengths and volumes for maximum flexibility

We recommend to use our CryoSealer (Ref. 13135/0000) for standardized and reproducible sealing of our straws

Minitube straw options

MiniStraw 0.25 ml, 133 mm, clear, sterile, 10/package [REF.: 19042/0010](#)

MiniStraw 0.25 ml, 133 mm, with ID stick (9 colors), sterile, 10/package [REF.: 19040/00xx](#)



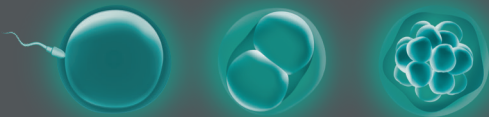
MiniStraw 0.25 ml, 90 mm, with ID stick (7 colors), sterile, 10/package [REF.: 19040/90xx](#)



MiniStraw 0.25 ml, 133 mm, with glass sealing balls, sterile, 10/package [REF.: 19041/0010](#)

Medium Straw 0.5 ml, 133 mm, with steel sealing balls, sterile, 10/package [REF.: 19043/0010](#)





Security straws 66.5 mm

CTE security straw 66.5 mm for sperm,
no plug, volume 0.3 ml, sterile, 10/package [REF.: 19044/9010](#)

CTE security straw 66.5 mm for PN stages,
with plug, volume 0.3 ml, sterile, 10/package [REF.: 19044/9210](#)



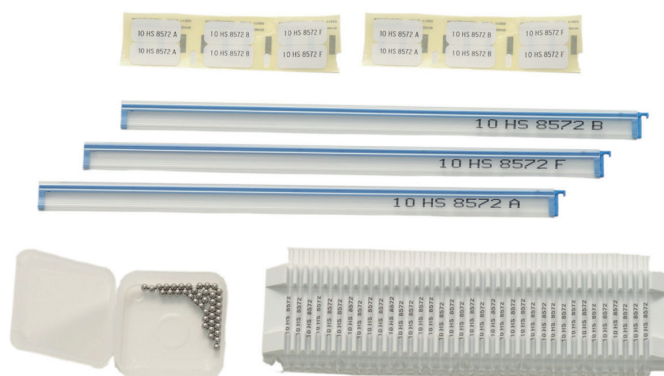
Packaging sets for cryopreservation: All in one, prelabeled with a unique code

When freezing human semen or reproductive tissue as a fertility reserve, a maximum number of aliquots ensures the flexibility you need for obtaining optimum treatment results after thawing. All components of a packaging set are prelabeled with a unique, alphanumeric code, allowing secure and clear identification of the samples.

Human semen packaging (HS) set

All you need for processing and cryostorage of a semen sample:
36 straws (66.5 mm) in a holding rack, one end presealed and tested for tightness; 3 cassettes for storage of straws; self-adhesive labels for patient files; straws, cassettes and labels with alphanumeric code; sterile, packed in a bag.

Human semen packaging (HS) set [REF.: 13490/0037](#)

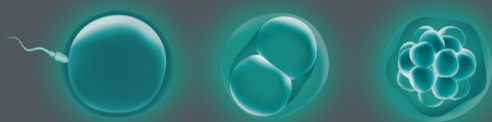


Vial packaging set

All components needed for packing and storage of 15 cryogenic vials (1.8–2.0 ml volume) containing testicular or ovarian biopsies:
3 ampoule holders and 3 protective sheaths, aluminum; 15 self-adhesive, cryo-proof labels for labeling of the vials; ampoule holders, protective sheaths and labels with alphanumeric code; non-sterile, packed in a bag; cryogenic vials not included.

Vial packaging set [REF.: 13493/0015](#)





Cassettes for storage of straws: Private space for precious samples

Minitube cassettes offer the perfect solution for structuring cryogenic storage in an efficient, flexible and space saving way. They are easy to handle and to identify, maintaining optimum safety.

Your benefits

- Completely closed to prevent floating of straws
- Integrated lift for easy loading and removal of straws
- Transparent walls ensuring optimum visibility of contents
- Two shapes, two lengths, adapting to multiple types and numbers of straws
- Large side areas for easy labeling; triangular cassettes can also be labeled on top
- Color coded (6-7 different colors available)
- Three in one: a triangular cassette replaces aluminum cane, goblets, and protective sheath
- Optimum temperature stability: aluminum cups inside triangular cassettes retain liquid nitrogen during handling
- Better utilization of canister space as compared to other storage systems

Minitube cassette options

Triangular cassette, short (140 mm),
6 colors, 1 aluminum cup, 50/package [REF.: 16981/012x1](#)

Triangular cassette, long (280 mm),
6 colors, 2 aluminum cups, 50/package [REF.: 16981/013x1](#)



Flat cassette, short (140 mm),
7 colors, 50/package [REF.: 16980/060x](#)

Flat cassette, long (280 mm),
7 colors, 50/package [REF.: 16980/120x](#)



Storage capacities with Minitube cassettes

Canister Ø	Triangular cassettes	Flat cassettes
56 mm	11	26
70 mm	18	38
92 mm	40	65
102 mm	45	82
150 mm	88	175

Straw REF.	Triangular cassettes		Flat cassettes	
	Long	Short	Long	Short
19040/00xx	12	-	3	-
19040/90xx	24	12	6	3
19041/0010	50	25	16	8
19043/0010	24	12	6	3



Goblets and canes:

How to maximize space in your storage tank

Small diameter goblets clipped into aluminum canes are common for direct storage of straws. But - did you know that large goblets, loaded with short triangular cassettes, can also be used to store straws in two layers, doubling the storage capacity of your tank?

To realize this solution, fill two 65 mm goblets with 15 short, triangular cassettes each and stack them in a canister (e.g., 70 mm Ø). The lower goblet can easily be accessed using our goblet lift (Ref. 16966/0065).

Goblets

10 mm goblets for straws, length 120 mm, white,
300/package [REF.: 16910/0010](#)

13 mm goblets for straws, length 120 mm, 5 colors,
100/package [REF.: 16913/x133](#)



65 mm goblet for cassettes, length 120 mm, white,
25/package [REF.: 16965/0133](#)

Lift for goblets 65 mm, aluminum,
1/package [REF.: 16966/0065](#)

Canes

Cane for two 10 mm goblets, 290 mm, aluminum,
100/package [REF.: 16965/6000](#)

Cane for two 13 mm goblets, 290 mm, aluminum,
100/package [REF.: 16965/6013](#)

Cane for 5 cryogenic vials, 290 mm, aluminum,
100/package [REF.: 16965/7000](#)

Colored labeling tags for goblet canes, aluminum,
100/package [REF.: 13422/00xx](#)

