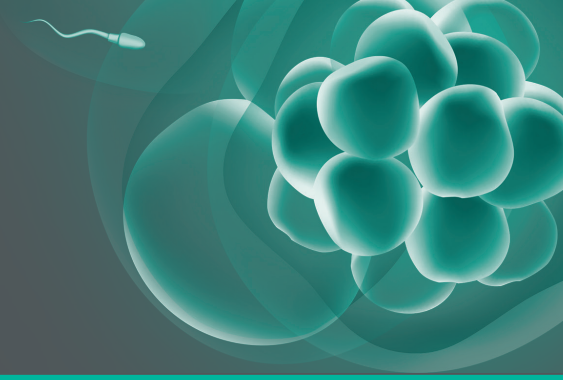


Consumables for cryopreservation and storage



Straws for cryopreservation A standard based on safety and experience

Minitube straws have been used for the freezing of biological samples for over 30 years. As the global standard for semen freezing, they are perfectly suited 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 plasticizers and demoulding additives
- + Mouse embryo (MEA) and endotoxicity (LAL) tested
- + Tested for bioburden
- + 100% control for consistent 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 our CrySealer (13135/0000) for standardized and reproducible sealing of straws

» www.minitube-humanart.com/cryosealer/

Minitube straw options

MiniStraw 0.25 ml, 133 mm, clear, sterilized, 10/package [19042/0010](#)

MiniStraw 0.25 ml, 133 mm, with ID stick (4 colors), sterilized, 10/package [19040/00xx](#)



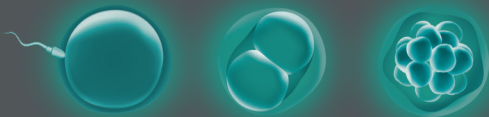
MiniStraw 0.25 ml, 90 mm, with ID stick (4 colors), sterilized, 10/package [19040/90xx](#)



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

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





Security straws 66.5 mm

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

CTE security straw 66.5 mm for PN stages, with plug, volume 0.3 ml, sterilized, 10/package [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 to achieve optimal treatment results after thawing. All components of a packaging set are pre-labeled with a unique, alphanumeric code for secure and clear sample identification.

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 colored cassettes for storage of straws; self-adhesive labels for patient files; straws, cassettes and labels with alphanumeric code; sterilized, packed in a bag.

Human semen packaging (HS) set, 7 colors [13490/0037xx](#)

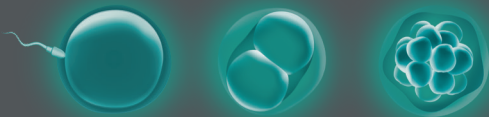


Vial packaging set

All components needed to package and store 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-sterilized, packed in a bag; cryogenic vials not included.

Vial packaging set [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, while maintaining optimum safety.

+ Your benefits

- + Completely closed to prevent floating of straws
- + Integrated lift for easy straw loading and removal
- + Transparent walls for optimal visibility of contents
- + Three in one: a triangular cassette replaces aluminum cane, goblets, and protective sheath
- + Two shapes, two lengths to accommodate different 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)
- + Optimal 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), 16981/012x1
6 colors, 1 aluminum cup, 50/package

Triangular cassette, long (280 mm), 16981/013x1
6 colors, 2 aluminum cups, 50/package



Flat cassette, short (140 mm), 7 colors, 16980/060x
50/package

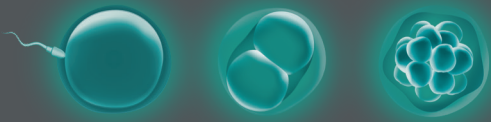
Flat cassette, long (280 mm), 7 colors, 16980/120x
50/package



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. Did you know that 65 mm 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, [16910/xxxx](#)
4 colors, 300/package

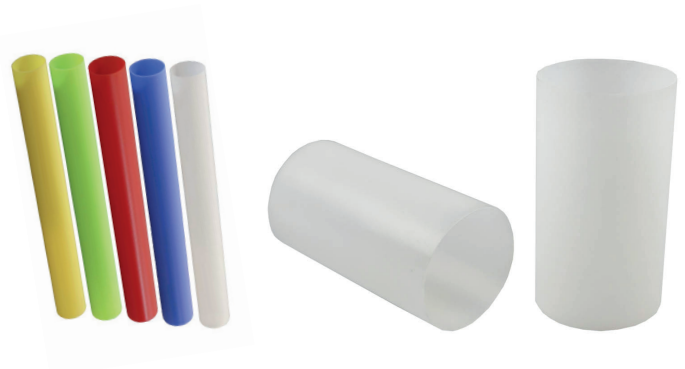


13 mm goblets for straws, length 120 mm, [16913/x133](#)
7 colors, 100/package



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

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



Canes

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

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

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

Colored labeling tags for goblet canes, [13422/00xx](#)
6 colors, aluminum, 100/package

