1.	**Description / Specification**	
1.1	Description	Rack with 1000 µl Cryo.s Biobanking Tubes, stackable, with a footprint that corresponds to the microplate standard of the American National Standards Institute (ANSI-Standard), capacity for 96 Cryo.s Biobanking Tubes 1000 µl, rack bottom with scanning windows for the Datamatrix, rotation stoppers, snap-in lid. Biobanking Tubes 1000 µl with screw caps (caps have a silicone gasket and internal thread, different colours available), unique 2D codes on bottom, without writing area and graduation Manual decapping tool for manual decapping, capping and contamination-free storage of screw cap, contained in each box - 2D Code on tube (G8xxxxxxxx) - 2D Code and linear barcode 128 on rack (G9xxxxxxxx) All pre-produced 2D codes on tubes and racks are featured with a symbol size of 14x14 *978570*: rack with 96 uncapped 1000 µl Cryo.s, non-sterile *978580, -583, -584, -585, -586*: rack with 96 capped 1000 µl Cryo.s, non-sterile *978580-2D1*: customised barcoding option available via order form (customised sequences, Cat. - No. F071003)
1.2	Dimensions	See Customer Drawing
1.3	Volume	Tube / working volume: 975 µl
1.4	Material / Resin	Tube / cap: PP (Polypropylene), medical grade and USP class VI certified Rack / lid: PC (Polycarbonate), Gasket: Silicone, medical grade Manual capping tool: PS (Polystyrene)
1.5	Colour	Tube: natural Cap: *978580*: natural *978583: red* *978584*: blue *978585*: yellow *978586*: green Gasket (cap): blue Rack: black Lid: transparent Manual capping tool: blue
1.6	Sterilization	No
1.7	Quality Control	- Raw Material-Control (tubes): physical testing - Product-Control: testing of attributive and variable characteristics in accordance with the valid specification

Prior Issue	Drawn	Approved	Released	
Revision 08	Date 9 November 2026	Date 10 November 2026	Date 10 November 2026	
Date 07.08.2024	Name S. Kaelberer	Name T. Binder	Name Dr. S. Mühlfriedel	

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1.8	Intended Use	For storage of tissue, cells, fungi, bacteria, spores, cellular extracts or body fluids at ultra-low temperature for research and development as well as diagnostic purposes*. Tubes must not be stored in the liquid phase of liquid nitrogen, but only in the gas phase above. Tubes are not intended for any application in the context of reproductive medicine. *Intended use for USA: Research use only
1.9	Other Information	Cryo.s with datamatrix and accessory storage racks are optimised for automated laboratory equipment such as decappers, liquid handling systems and automated storage systems. Greiner Bio-One recommends closing 96-way Cryo.s with the automated decapper from Hamilton Bonaduz AG or an equivalent device at 7 Ncm. For manual contamination-free application and removal of screw caps and for manual picking of individual tubes from rack, a manual tool is available. A list of compatible automated equipment may be requested from GBO. For single use only

2.	**Features**	
2.1	Basic features	Tubes: free of detectable DNase/RNase, human DNA and pyrogens. Contents non-cytotoxic
2.2	Temperature range	For application: -196°C to 37°C
2.3	Autoclavability	N/A
2.4	Centrifugation, max. RCF	3.000 x g: swinging-bucket rotor (with slip-resistant mat)
2.5	Chemical Resistance	Tube / material: See homepage: https://www.gbo.com/en_INT/know-how-services/download-center.html Tube / datamatrix: resistant to → acetic acid (1 %), hydrochloric acid (25 %), sulphuric acid (4.9%), ethanol, methanol, isopropanol, DMSO Rack / lid: resistant to → acetic acid (1 %), methanol, ethanol (96%), isopropanol, sulphuric acid (4.9%), DMSO
2.6	Shelf life	5 years
2.7	Other Information	-

3.	**Packaging**	**978570, 978580, -580-2D1**	**978583, -584, -585, -586**
3.1	Pieces / Rack	96	96
3.2	Pieces / Box	960 tubes, 10 racks, 1 manual capping tool	480 tubes, 5 racks, 1 manual capping tool
3.3	Lot-No.	E YY MM XXX (manufacturing facility, year, month, consecutive SAP-No.)	E YY MM XXX (manufacturing facility, year, month, consecutive SAP-No.)
3.4	Other Information	Certificate of Quality to download	Certificate of Quality to download

4.	**Other Information**
4.1	-

Data Sheet subject to change without notice!

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