1.	**Description / Specification**	
1.1	Description	Rack with 600 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 600 µl, rack bottom with scanning windows for the Datamatrix, rotation stoppers, snap-in lid. Biobanking Tubes 600 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 *977561, -563, -564, -565, -566, -567, -568, -569*: rack with 96 capped 600 µl Cryo.s™, sterile *977570*: rack with 96 uncapped 600 µl Cryo.s™, non-sterile *977580, -583, -584, -585, -586, -587, -588, -589*: rack with 96 capped 600 µl Cryo.s™, non-sterile *Customised barcoding option (9775xx-2D1) available via order form (customised sequences, Cat.-No. F071003)*
1.2	Dimensions	See Customer Drawing
1.3	Volume	Tube / working volume: 580 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: *977561, -580*: natural *977563, -583: red* *977564, -584*: blue *977565, -585*: yellow *977566, -586*: green *977567, -587*: black *977568, -588*: pink *977569, -589*: brown Gasket (cap): blue Rack: black Lid: transparent Manual capping tool: blue
1.6	Sterilization	*977561, -563, -564, -565, -566, -567, -568, -569*: SAL 10^{-6} *977570, -580, -583, -584, -585, -586, -587, -588, -589*: 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

Data Sheet subject to change without notice!

Prior Issue	**Drawn**	**Approved**	**Released**	
Revision 03	Date 4 December 2015	Date 2 February 2016	Date 3 February 2016	
Date 05.05.2015	Name S. Kaelberer	Name Dr. S. Mühlfriedel	Name Dr. A. Ganser	

1.8	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	-196°C to 121°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 %), hydrocloric 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	*977561, -563, -564, -565, -566, -567, -568, -569*: 5 years after month of production *977570, -580, -583, -584, -585, -586, -587, -588, -589*: n/a
2.7	Other Information	Recommended for storage in the freezer or above liquid nitrogen. Must not be used in liquid phase of nitrogen!

3.	**Packaging**	**977561, -570, -580**	**977563, -564, -565, -566, -567, -568, -569, -583, -584, -585, -586, -587, -588, -589**
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	Certificate of Quality

4.	**Other Information**
4.1	Research use only. Not for diagnostics.

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DISCLAIMER: The description of a certain product can only be considered as a guidance, because its performance ultimately depends on what the product is used for. Very often performance studies are indispensable.