



PDS No.9785xx	PRODUCT DATA SHEET			Page 1 of 2
Revision 04	Rack with 96 Cryo.s™ Biobanking Tubes 1000 µl (Datamatrix Coded)			
	Greiner Item-No. 9785xx			
Valid for Item-No.:	97856x (sterile)	978570	97858x	

1.	Description / Specification	
1.1	Description	<p>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.</p> <p><u>Biobanking Tubes 1000 µl</u> with screw caps (caps have a silicone gasket and internal thread, different colours available), unique 2D codes on bottom, without writing area and graduation</p> <p><u>Manual decapping tool</u> for manual decapping, capping and contamination-free storage of screw-cap, contained in each box</p> <p>- 2D Code on tube (G8xxxxxxx) - 2D Code and linear barcode 128 on rack (G9xxxxxxx)</p> <p>All pre-produced 2D codes on tubes and racks are featured with a symbol size of 14x14</p> <p>978561, -563, -564, -565, -566, -567, -568, -569: rack with 96 capped 1000 µl Cryo.s™, sterile</p> <p>978570: rack with 96 uncapped 1000 µl Cryo.s™, non-sterile</p> <p>978580, -583, -584, -585, -586, -587, -588, -589: rack with 96 capped 1000 µl Cryo.s™, non-sterile</p> <p><i>Customised barcoding option (9785xx-2D1) available via order form (customised sequences, Cat.-No. F071003)</i></p>
1.2	Dimensions	See Customer Drawing
1.3	Volume	Tube / working volume: 975 µl
1.4	Material / Resin	<p><u>Tube / cap</u>: PP (Polypropylene), medical grade and USP class VI certified</p> <p><u>Rack / lid</u>: PC (Polycarbonate)</p> <p><u>Gasket</u>: Silicone, medical grade</p> <p><u>Manual capping tool</u>: PS (Polystyrene)</p>
1.5	Colour	<p><u>Tube</u>: natural</p> <p><u>Cap</u>: 978561, -580: natural 978563, -583: red 978564, -584: blue 978565, -585: yellow 978566, -586: green 978567, -587: black 978568, -588: pink 978569, -589: brown</p> <p><u>Gasket (cap)</u>: blue</p> <p><u>Rack</u>: black</p> <p><u>Lid</u>: transparent</p> <p><u>Manual capping tool</u>: blue</p>
1.6	Sterilization	<p>978561, -563, -564, -565, -566, -567, -568, -569: SAL 10⁻⁶</p> <p>978570, -580, -583, -584, -585, -586, -587, -588, -589: no</p>
1.7	Quality Control	<p>- <u>Raw Material-Control (tubes)</u>: physical testing</p> <p>- <u>Product-Control</u>: testing of attributive and variable characteristics in accordance with the valid specification</p>

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Prior Issue	Drawn	Approved	Released	CONFIDENTIAL: Information contained in this document or drawing is confidential and proprietary to Greiner Bio-One GmbH. This document may not be reproduced for any reason without written permission from Greiner Bio-One GmbH. All rights of design, invention, and copyright are reserved.
Revision 03	Date 4 December 2015	Date 2 February 2016	Date 3 February 2016	
Date 04.05.2015	Name S. Kaelberer	Name Dr. S. Mühlfriedel	Name Dr A. Ganser	

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.

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1.8	Other Information	<p>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.</p> <p>A list of compatible automated equipment may be requested from GBO.</p> <p>For single use only</p>
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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	<p>Tube / material: See homepage: https://www.gbo.com/en_INT/know-how-services/download-center.html</p> <p>Tube / datamatrix: resistant to → acetic acid (1 %), hydrochloric acid (25 %), sulphuric acid (4.9%), ethanol, methanol, isopropanol, DMSO</p> <p>Rack / lid: resistant to → acetic acid (1 %), methanol, ethanol (96%), isopropanol, sulphuric acid (4.9%), DMSO</p>
2.6	Shelf life	<p>978561, -563, -564, -565, -566, -567, -568, -569: 5 years after month of production</p> <p>978570, -580, -583, -584, -585, -586, -587, -588, -589: n/a</p>
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	978561, -570, -580	978563, -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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