





PDS No. 1222xx, 1222xx-2DG, 1222xx-2D3	<b>PRODUCT DATA SHEET</b>				Page 1 of 2
Revision 13	Cryo.s, 2 ml, Round Bottom, Starfoot Base			UK CA  0197	 BIO-ONE
	Item-No. 1222xx, 1222xx-2DG, 1222xx-2D3				
Valid for Item-No.:	<b>122261</b> (sterile)	<b>122263</b> (sterile)	<b>122272</b> (sterile)	<b>122277</b> (sterile)	<b>122278</b> (sterile)
	<b>122279</b> (sterile)	<b>122280</b> (sterile)	<b>1222xx-2DG</b> (sterile)	<b>1222xx-2D3</b> (sterile)	

1.	Description / Specification	
1.1	Description	<p>Cryo.s, 2 ml, with different coloured screw caps (caps have a silicone gasket), internal thread, round bottom, starfoot base and additional cap inserts for labelling, sterile.</p> <p><i>122261, -289: without writing area</i></p> <p><i>122263, -272, -277, -278, -279, -280: with writing area and graduation</i></p> <p><i>122263, -277, -278, -279, -280-2DG: with linear barcode 128, human readable ID, graduation and ECC200 Datamatrix-Code, symbol size 14x14, on tube bottom, code sequence 'G200000001', 'G200000002' etc., for screw cap colour see 1.5</i></p> <p><i>122263, -277, -278, -279, -280-2D3: with linear barcode 128, human readable ID, graduation on tube side and ECC200 Datamatrix-Code, symbol size 14x14, on tube bottom, code sequence customized as specified in order form Cat.-No. F071005, for screw cap colour see 1.5</i></p> <p>Additional inserts, Cat.-No. 304 134 (50 pieces per bag)</p>
1.2	Dimensions	See Customer Drawing
1.3	Volume	Working volume: up to 2.0 ml
1.4	Material / Resin	<p><u>Tube</u>: PP (Polypropylene), free of heavy metal</p> <p><u>Screw cap</u>: PP (Polypropylene), free of heavy metal</p> <p><u>Gasket</u>: Silicone</p> <p><u>Small cap insert</u>: PS (Polystyrene), free of heavy metal</p> <p><i>1222xx-2DG, 1222xx-2D3: Datamatrix disc: PP (Polypropylene)</i></p>
1.5	Colour	<p><u>Tube</u>: natural</p> <p>graduation: <i>122263, -272, -277, -278, -279, -280: white</i></p> <p><u>Screw cap</u>: <i>122261, -263: natural</i></p> <p><i>122272: orange</i></p> <p><i>122277: green</i></p> <p><i>122278: yellow</i></p> <p><i>122279: blue</i></p> <p><i>122280: red</i></p> <p><i>1222xx-2D3, 1222xx-2DG: xx = colour code of screw cap with</i></p> <p><i>xx = 63 for natural screw cap, xx = 77 for green screw cap,</i></p> <p><i>xx = 78 for yellow screw cap, xx = 79 for blue screw cap,</i></p> <p><i>xx = 80 for red screw cap)</i></p> <p><u>Gasket</u>: translucent</p> <p><u>Small caps insert</u>: white</p> <p><i>1222xx-2DG, 1222xx-2D3: white Datamatrix at the bottom and linear barcode on side</i></p>
1.6	Sterilization	SAL 10 <sup>-6</sup>
1.7	Quality Control	<p><u>Raw Material-Control</u>: physical testing</p> <p><u>Product-Control</u>: testing of attributive and variable characteristics in accordance with the valid specification</p>
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

Data Sheet subject to change without notice!

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 12	Date 3 April 2023	Date 3 May 2023	Date 14 September 2023	
Date 10.02.2023	Name S. Kaelberer	Name Dr. S. Mühlfriedel	Name Dr. Chen-Ket Chai	

**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.

PDS No. 1222xx, 1222xx-2DG, 1222xx-2D3	<b>PRODUCT DATA SHEET</b>				Page 2 of 2
Revision 13	Cryo.s, 2 ml, Round Bottom, Starfoot Base			UK CA  0197	 BIO-ONE
	Item-No. 1222xx, 1222xx-2DG, 1222xx-2D3				
Valid for Item-No.:	<b>122261</b> (sterile)	<b>122263</b> (sterile)	<b>122272</b> (sterile)	<b>122277</b> (sterile)	<b>122278</b> (sterile)
	<b>122279</b> (sterile)	<b>122280</b> (sterile)	<b>1222xx-2DG</b> (sterile)	<b>1222xx-2D3</b> (sterile)	

		application in the context of reproductive medicine.
1.9	Other Information	For single use only

<b>2.</b>	<b>Features</b>	
2.1	Basic features	Free of detectable DNase/RNase, human DNA and pyrogens. Contents non-cytotoxic
2.2	Temperature range	For applications such as sample transportation, storage, thawing, processing and centrifugation: -196°C to +37°C
2.3	Autoclavability	No
2.4	Centrifugation, max. RCF	5.800 x g: swinging-bucket rotor 34.000 x g: fixed-angle rotor
2.5	Chemical Resistance	See homepage: <a href="https://www.gbo.com/en_INT/know-how-services/download-center.html">https://www.gbo.com/en_INT/know-how-services/download-center.html</a>
2.6	Shelf life	5 years
2.7	Other Information	To achieve tight tube closure (liquid barrier) tubes must be closed with torque of 20.5 Ncm

<b>3.</b>	<b>Packaging</b>	
3.1	Pieces / Bag	100
3.2	Pieces / Box	500
3.3	Lot-No.	E YY MM XXX (manufacturing facility, year, month, consecutive SAP-No.)
3.4	Other Information	Additional in each box: Safety precaution 3 bags with 50 cap inserts per bag (150 pieces)  Certificate of Quality to download

<b>4.</b>	<b>Other Information</b>	
4.1	Laboratory use only	

Data Sheet subject to change without notice!

Prior Issue	Drawn	Approved	Released	<b>CONFIDENTIAL:</b> 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 12	Date 3 April 2023	Date 3 May 2023	Date 14 September 2023	
Date 10.02.2023	Name S. Kaelberer	Name Dr. S. Mühlfriedel	Name Dr. Chen-Ket Chai	

**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.