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|--|---|-------------------------|-----------------------------|-------------------------|---|
| PDS No. 1232xx, 1232xx-2DG, 1232xx-2D3 | PRODUCT DATA SHEET | | | | Page 1 of 2 |
| Revision 11 | Cryo.s, 1 ml, Conical Bottom, Starfoot Base | | | CE |  |
| | Item-No. 1232xx, 1232xx-2DG, 1232xx-2D3 | | | | |
| Valid for Item-No.: | 123261 (sterile) | 123263 (sterile) | 1232xx-2DG (sterile) | 123277 (sterile) | 123278 (sterile) |
| | 123279 (sterile) | 123280 (sterile) | 1232xx-2D3 (sterile) | | |

| 1. | Description / Specification | |
|-----|-----------------------------|---|
| 1.1 | Description | <p>Cryo.s, 1 ml, with different coloured screw caps (caps have a silicone gasket), internal thread, conical bottom, starfoot base and additional cap inserts for labelling, sterile 123261: without writing area</p> <p>123263, -277, -278, -279, -280: with writing area and graduation</p> <p>1232xx-2DG: with linear barcode 128, human readable ID, graduation and ECC200 Datamatrix-Code, symbol size 14x14, on tube bottom, code sequence 'G300000001', 'G300000002' etc., for screw cap colour see 1.5</p> <p>1232xx-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</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 1.0 ml |
| 1.4 | Material / Resin | <p><u>Tube</u>: PP (Polypropylene), free of heavy metal <u>Screw cap</u>: PP (Polypropylene), free of heavy metal <u>Gasket</u>: Silicone <u>Small cap insert</u>: PS (Polystyrene), free of heavy metal</p> <p>123263-2DG: Datamatrix disc: PP (Polypropylene)</p> |
| 1.5 | Colour | <p><u>Tube</u>: natural, graduation: white <u>Screw cap</u>: 123261, -263, -263-2DG: natural 123277: green 123278: yellow 123279: blue 123280: red 1232xx-2D3, 1232xx-2DG: xx = colour code of screw cap with xx = 63 for natural screw cap, xx = 77 for green screw cap, xx = 78 for yellow screw cap, xx = 79 for blue screw cap, xx = 80 for red screw cap)</p> <p><u>Gasket</u>: translucent <u>Small cap insert</u>: white</p> <p>1232xx-2DG, 1232xx-2D3: white Datamatrix on black disc</p> |
| 1.6 | Sterilization | SAL 10 ⁻⁶ |
| 1.7 | Quality Control | <p><u>Raw Material-Control</u>: physical testing <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 application in the context of reproductive medicine. |
| 1.9 | Other Information | For single use only |

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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 10 | Date 2 February 2021 | Date 3 February 2021 | Date 25 February 2021 | |
| Date 12.05.2020 | Name S. Kaelberer | Name Dr. S. Mühlfriedel | Name A. Illig | |

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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| 2. | Features | |
| 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 | 5800 x g: swinging-bucket rotor 26000 x g: fixed-angle rotor |
| 2.5 | Chemical Resistance | See homepage: https://www.gbo.com/en_INT/know-how-services/download-center.html |
| 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 |

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| 3. | Packaging | |
| 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 |

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| 4. | Other Information | |
| 4.1 | Laboratory use only | |

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