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| PDS No. 227245 | PRODUCT DATA SHEET | Page 1 of 1 |
| Revision 03 | CELLSTAR [®] CELLreactor [™] , 50 ml |  greiner bio-one |
| | Greiner Item-No. 227245 | |

| 1. | Description / Specification | |
|-----|-----------------------------|---|
| 1.1 | Description | Filter Top Tube, conical bottom, graduation and writing area, sterile |
| 1.2 | Dimensions | See customer drawing Pore size of filter membrane: 0.2 µm |
| 1.3 | Volume | Working volume: 50 ml |
| 1.4 | Material / Resin | <u>Tube</u> : PP (Polypropylene), free of heavy metal <u>Cap</u> : HDPE (High Density Polyethylene), free of heavy metal <u>Filter</u> : PET (Polyethylene Terephthalat), PTFE (Polytetrafluorethane) coated, free of heavy metal |
| 1.5 | Colour | <u>Tube</u> : natural; print: blue graduation, white writing area <u>Cap</u> : blue <u>Filter</u> : white |
| 1.6 | Sterilization | SAL 10 ⁻³ |
| 1.7 | Quality Control | - <u>Raw Material-Control</u> : physical testing - <u>Product-Control</u> : testing of attributive and variable characteristics in accordance with the valid specification |
| 1.8 | Other Information | For single use only |

| 2. | Features | |
|-----|--------------------------|--|
| 2.1 | Basic features | Free of detectable DNase/RNase, human DNA and pyrogens. Contents non-cytotoxic |
| 2.2 | Temperature range | <u>Tube</u> : -196°C to +121°C <u>Filter Cap</u> : -80°C to +100°C |
| 2.3 | Autoclavability | Yes (without cap) |
| 2.4 | Centrifugation, max. RCF | 3200 x g: swinging-bucket rotor 9500 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 after month of production |
| 2.7 | Other Information | - |

| 3. | Packaging | |
|-----|----------------------|--|
| 3.1 | Pieces / Bag or Rack | 20 |
| 3.2 | Pieces / Box | 500 |
| 3.3 | Lot-No. | E YY MM XXX (manufacturing facility, year, month, consecutive SAP-No.) |
| 3.4 | Other Information | Certificate of Quality |

| 4. | Other Information | |
|----|-------------------|---|
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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 02 | Date 6 October 2014 | Date 6 October 2014 | Date 6 October 2014 | |
| Date 09.01.2013 | Name S. Kälberer | Name Dr. T. Schreiber | Name A. Schulz | |

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.