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|--|----------------|----------------------------|--------------|---|
|  | Document ID:   | TDS-PBS-001-1L             | Version:     | 002   |
|  | Date of Issue: | 10-JAN-2023                | Approved by: | Dr. Iman Kamranfar  |
|  | Review Date:   | 10-JAN-2025                | Signature:   |  |
|  | Title:         | <b>TECHNICAL DATASHEET</b> |              |   |

### Phosphate Buffered Saline without Calcium, Magnesium and Phenol Red

|                       |                        |
|-----------------------|------------------------|
| Filtration, Treatment | 0.1µm sterile filtered |
| Product Code          | PBS-001-1L             |
| Shelf Life            | 4 years from DOM       |
| Storage Temperature   | 15 - 30°C              |
| Shipping Temperature  | ambient                |

### QC Specifications

| Physical and Chemical Analysis | Method               | Specifications             | Units   |
|--------------------------------|----------------------|----------------------------|---------|
| Appearance                     | Visual               | Clear, colourless solution | n/a     |
| pH at RT                       | Electronic pH Meter  | 7.3 - 7.5                  | n/a     |
| Osmolality                     | Osmometer            | 280 - 310                  | mOsm/kg |
| Endotoxin                      | LAL Kinetic          | ≤ 0.2                      | EU/ml   |
| <b>Sterility</b>               |                      |                            |         |
| Aerobic Bacteria               | Internally Validated | Not detected               | n/a     |
| Anaerobic Bacteria             | Internally Validated | Not detected               | n/a     |
| Fungi (Yeast & Mold)           | Internally Validated | Not detected               | n/a     |
| Mycoplasma                     | qPCR                 | Not detected               | n/a     |

### Formulation

| Components                     | CAS number | Concentration (mg/L) |
|--------------------------------|------------|----------------------|
| Potassium dihydrogen phosphate | 7778-77-0  | 140.00               |
| Sodium chloride                | 7647-14-5  | 9000.00              |
| Disodium hydrogen phosphate    | 7558-79-4  | 795.00               |

### Ordering information

| Product Code  | Description               | Product Information                                    | Storage   | Size    |
|---------------|---------------------------|--|-----------|---------|
| PBS-001-1L    | Phosphate Buffered Saline | without Ca, Mg, and Phenol red, 0.1µm sterile filtered | 15 - 30°C | 1000 ml |
| PBS-001-500ML | Phosphate Buffered Saline | without Ca, Mg, and Phenol red, 0.1µm sterile filtered | 15 - 30°C | 500 ml  |

**Product Use:** This product is intended for laboratory use only.

This product contains no animal components in the containers or the product itself.

The product is manufactured at Dorfstrasse 17A, 14641 Pessin, Germany.