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## Product Specification

Product Name:

Krebs-Ringer Bicarbonate Buffer – With 1800 mg/L glucose, without calcium chloride and sodium bicarbonate, powder, suitable for cell culture

Product Number:

K4002

Storage Temperature:

2 - 8 °C

**TEST****Specification**

|   |                    |
|---|--------------------|
| Origin  | Non-Animal Source  |
| Osmolality<br>with 1.26 g/L NaHCO <sub>3</sub>      | 253 - 280 mOs/kg   |
| Osmolality  | 235 - 260 mOs/kg   |
| Total Glucose                                       | 17.1 - 20.9 %      |
| Cell Culture Salt Testing                           | Pass               |
| Water (by Karl Fischer)                             | ≤ 2.0 %            |
| pH<br>with 1.26 g/L NaHCO <sub>3</sub>              | 7.0 - 7.6          |
| pH  | 6.1 - 6.7          |
| Solubility (Turbidity)                              | Clear              |
| Solubility (Form)<br>at 9.5 g/L in H <sub>2</sub> O | Solution           |
| Appearance (Color)                                  | White to Off-White |
| Appearance (Form)                                   | Powder             |
| Endotoxin Level<br>at 1X                            | ≤ 1.0 EU/ml        |

Specification: PRD.2.ZQ5.10000013367

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.