

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

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 with 1.26 g/L NaHCO3	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 with 1.26 g/L NaHCO3	7.0 - 7.6
pH	6.1 - 6.7
Solubility (Turbidity)	Clear
Solubility (Form) at 9.5 g/L in H2O	Solution
Appearance (Color)	White to Off-White
Appearance (Form)	Powder
Endotoxin Level 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. 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.