

### CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.  
 Certificate Number. 951001163

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Catalogue Number	J67820
Lot Number	R01L548
Description	Krebs-Heneseleit buffer solution
Quality Test/Release Date	08/May/2025
Suggested retest date	08/Nov/2026
Country of Origin	Canada

Result Name	Units	Specifications	Test Value
Comment	mM	Sodium Chloride:Reported	118
Comment	mM	KCL:Reported	4.7
Comment	mM	Calcium Chloride:Reported	1.25
Comment	mM	Magnesium Sulfate:Reported	1.2
Comment	mM	Poassium Sulfate Monobasic:Reported	1.2
Comment	mM	Sodium Bicarbonate:Reported	25
Comment	mM	HEPES:Reported	10
Comment	mM	Glucose:Reported	11.1
Form		Reported	Clear liquid
pH		Reported	7.4 +/-0.15



John Astarita  
 Director, Quality

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.