3050 Spruce Street, Saint Louis, MO 63103, USA Website: www.sigma-aldrich.com Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name :

Dulbecco's Modified Eagle's Medium - low glucose With 1000 mg/L glucose and L-glutamine, without sodium bicarbonate, powder, suitable for cell culture Product Number : D5523-50L

Batch Number :	0000353335	
Source Batch :	0000311990	
MDL Number :	MFCD00217342	
Storage Temperature :	+2°C to +8°C	
Expiry Date :	04 Jan 2027	
Quality Release Date :	04 Sep 2024	
Date of Manufacture :	04 Jan 2024	

Test	Specification	Result
Origin	Non-Animal Source	Conforms
Appearance (Color)	White to Off-White to Light Pink	Off-White
Appearance (Form)	Powder	Powder
Solubility (Turbidity)	Clear	Clear
Solubility (Form)	Solution	Solution
at 10.0 g/L in H2O		
Water (by Karl Fischer)	≤ 2.0 %	0.5 %
рН	6.0 - 6.6	6.2
pH	7.5 - 8.1	7.7
with 3.7 g/L NaHCO3		
Osmolality	237 - 262 mOs/kg	242 mOs/kg
Osmolality	300 - 331 mOs/kg	316 mOs/kg
with 3.7 g/L NaHCO3		
Endotoxin Level	≤ 1.0 EU/ml	< 0.1 EU/ml
at 1x		
Total Glucose	9.0 - 11.0 %	10.4 %
Cell Culture Test	Pass	Pass

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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

Version Number: 01 Doc: 1178607

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Product Batch

0000353335

D5523-50L

Mary T. Ingram

Sr. Associate QA Specialist St. Louis, Broadway US

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