

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

Dulbecco's Modified Eagle's Medium - high glucose - With 4500 mg/L glucose and L-glutamine, without sodium bicarbonate., powder, suitable for cell culture

Product Number:

D5648

Storage Temperature:

2 - 8 °C

TEST	Specification
Origin	Non-Animal Source
Osmolality With 3.7 g/L NaHCO <sub>3</sub>	318 - 351 mOs/kg
Osmolality	247 - 273 mOs/kg
Total Glucose	30.2 - 36.8 %
Water (by Karl Fischer)	≤ 2.0 %
pH With 3.7 g/L NaHCO <sub>3</sub>	7.5 - 8.1
pH	6.0 - 6.6
Solubility (Turbidity)	Clear
Solubility (Form) @ 13.4 g/L H <sub>2</sub> O	Solution
Cell Culture Test	Pass
Appearance (Color)	Off-White to Yellow
Appearance (Form) Shades of pink and orange may be apparent	Powder
Endotoxin Level at 1x	≤ 1.0 EU/ml

Specification: PRD.2.ZQ5.10000013339

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.