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## Product Specification

Product Name:

Medium 199 - With Hanks' salts and L-glutamine, without sodium bicarbonate, powder, suitable for cell culture

Product Number: **M0393**

Storage Temperature: 2 - 8 °C

TEST	Specification
Osmolality with 0.35 g/L NaHCO <sub>3</sub>	277 - 306 mOs/kg
Osmolality	266 - 295 mOs/kg
Total Glucose	8.5 - 10.3 %
Cell Culture Test	Pass
Water (by Karl Fischer)	≤ 2.0 %
pH w/ 0.35 g/L NaHCO <sub>3</sub>	6.6 - 7.2
pH	5.0 - 5.6
Solubility (Turbidity)	Clear
Solubility (Form) at 10.6 g/L H <sub>2</sub> O	Solution
Appearance (Color)	White to Off-White
Appearance (Form)	Powder
Endotoxin Level at 1X	≤ 1.0 EU/ml

Specification: PRD.3.ZQ5.10000013371

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.