

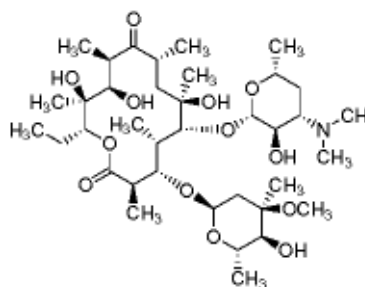
3050 Spruce Street, Saint Louis, MO 63103, USA

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:  
Erythromycin – BioReagent, suitable for cell culture

Product Number: **E5389**  
CAS Number: 114-07-8  
MDL: MFCD00084654  
Formula: C<sub>37</sub>H<sub>67</sub>NO<sub>13</sub>  
Formula Weight: 733.93 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Faint Yellow
Solubility (Turbidity)	Clear to Slightly Hazy
50 mg/mL, EtOH	
Infrared spectrum	Conforms to Structure
Water (by Karl Fischer)	≤ 10 %
(< or = 4.5 mol/mol)	
Cell Culture Test	Pass
Potency	≥ 850
ug/mg anhydrous basis	
Carbon (anhydrous)	59.2 - 61.8 %
Nitrogen (anhydrous)	1.6 - 2.2 %
Endotoxin Level	≤ 0.1 EU/mg

Specification: PRD.0.ZQ5.10000021431

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.