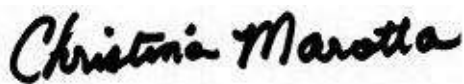


MP Biomedicals, LLC29525 Fountain Parkway
Solon, Ohio 44139Telephone: 440/337-1200
Toll Free: 800/854-0530

Certificate of Analysis

Product Description: LSM-Lymphocyte Separation Medium
Catalog Number: 50494
Lot: M3829**Formula:** N/A
CAS #: N/A
Physical Description: Clear, Colorless Liquid**Formula Weight:** N/A
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Osmolality	260 - 310 mOsm	302 mOsm
pH	6 - 9	7.49
Endotoxin (1:10 dilution)	≤ 0.25 EU/ml	0.053 EU/ml
Sterility USP XXII <71>	Pass	Sterile
Density	1.0770 - 1.0800 g/ml	1.0780
Expiration Date	Month/Date/Year	4/30/2014

06/15/2012 - Christina Marotta
MP Biomedicals, LLC.
Technical DirectorThis is an electronically generated document
<mailto:biotech@mpbio.com>
<http://www.mpbio.com>Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site
Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)