

MP Biomedicals, LLC29525 Fountain Parkway
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Certificate of Analysis

Product Description: TCH® Defined Serum Replacement, 50× Concentrate
Catalog Number: 2020022; 2020026; 2020049; 20200SMPL
Lot: M4971

Formula: N/A
CAS #: N/A
Physical Description: Clear, Pink Solution

Formula Weight: N/A
Storage: +4°C

Test	Specification	Result
Identity Test	Passes	Passes
pH	6.8 - 7.2	7.12
Osmolality (50× conc.)	260 - 340 mOsm/kg	309 mOsm/kg
Bacteria	Negative	Negative
Yeast	Negative	Negative
Mold	Negative	Negative
Fungi	Negative	Negative
Mycoplasma	Negative	Negative
Growth Promotion	Passes	Passes
Endotoxin (50× conc.)	<0.5 EU/ml	<0.5 EU/ml
Sterility	Passes	Passes
Expiration Date	Month/Day/Year	3/31/2014

Cytotoxicity: Satisfactory

A handwritten signature in black ink that reads 'Christina Marotta'. The signature is written in a cursive, flowing style.

09/17/2012 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

This 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)