

MERIDIAN LIFE SCIENCE, INC. 5171 Wilfong Road, Memphis, Tennessee 38134 - USA		Page 1 of 1	
		CERTIFICATE OF ANALYSIS	
Part Number: EV9529		Document Number: COA-EV9529	Revision Number: 001
Product:	Mumps Grade III Antigen		
Supplied In:	0.1 M Sodium Bicarbonate, 0.1 Sodium Chloride, pH 7.9-8.3		
Lot Number:	M24731015	Date of Expiration:	20 Aug 2020

**CERTIFICATE OF ANALYSIS**

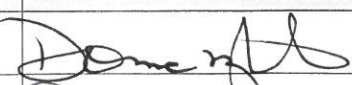

- Cell Line: LLC-Mk2
- Viral Strain: Enders
- Animal Source Products / Country of Origin: Product manufactured in the United States using only domestic animal materials processed in U.S. facilities.
- Storage Conditions: <-65

Reference Antigen Lot Number: M14138009

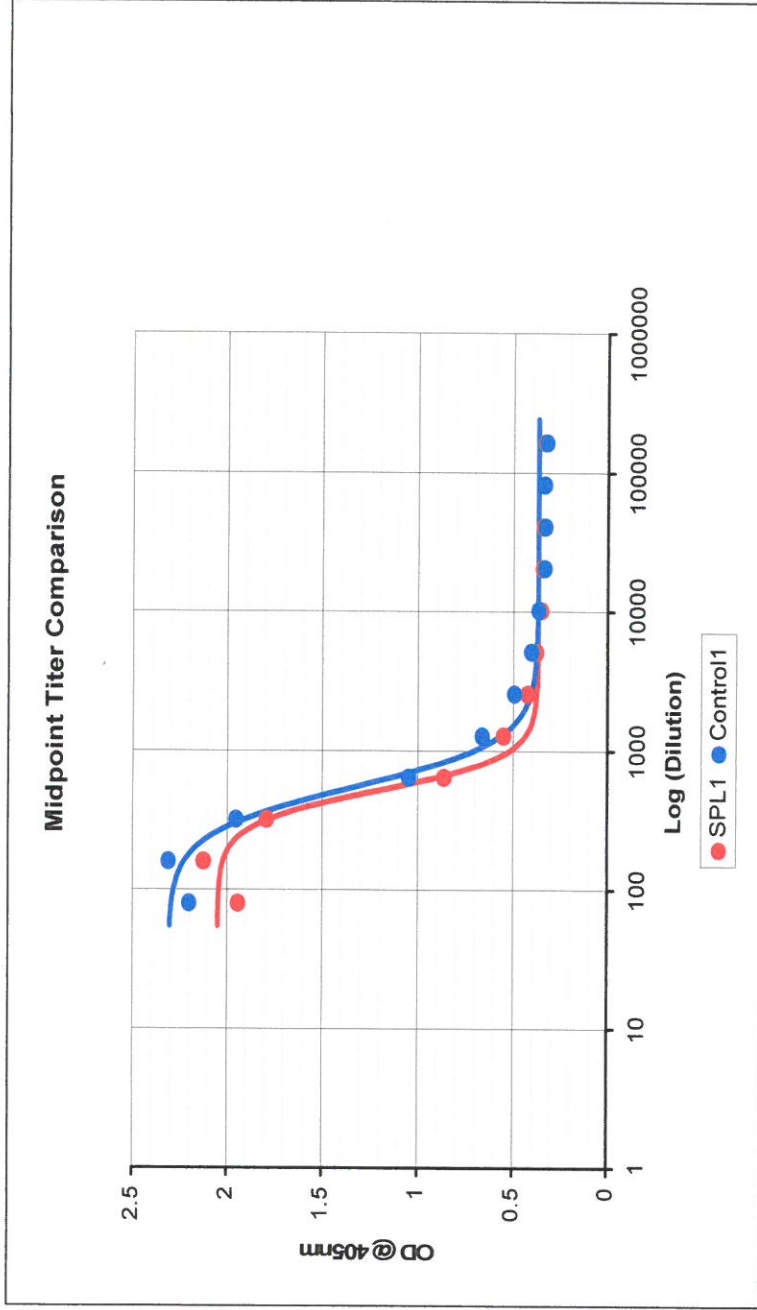
TEST	SPECIFICATION	METHOD	RESULTS
ELISA Midpoint Titer: Reference Antigen	To Report	ELISA	Midpoint Titer: <u>512.4</u>
ELISA Midpoint Titer: Test Antigen	To Report	ELISA	Midpoint Titer: <u>541.1</u> % of Reference: <u>-5.25</u>
Protein Concentration	0.4 to 0.6 mg/mL	BCA	<u>0.45</u> mg/mL

\* Since no test method can offer complete assurance that infectious agents are absent, this material should be handled as though capable of transmitting disease.

Attachments: 1. ELISA graph  
2. Western Blot

APPROVED BY	SIGNATURE	DATE
Product Manager		28 Sep 2015
Quality Assurance		30 Sep 2015

Product: Mumps  
 Part #: EY9529  
 TA Lot #: M26731015  
 Std Lot #: M14138009  
 Protocol: AP FR ELISA 1-80.prt  
 Analyst: Raisa King



Curve Fit

Lot #	ID	Max OD	Slope	Midpoint	Min OD	R	R <sup>2</sup>
M26731015	SPL1	2.049	3.499	512.644	0.37	0.996	0.992
M14138009	Control1	2.308	2.548	541.06	0.371	0.996	0.993

% Difference = **-5.25%** is: **ACCEPTABLE**

Sensitivity / Specificity

High Positive	Medium Positive	Background Ratio
16.071	8.321	1.032

Sensitivity / Specificity is: **ACCEPTABLE**

*Raisa King*  
 14 SEP 2015



**Meridian**  
**Life Science, Inc.**

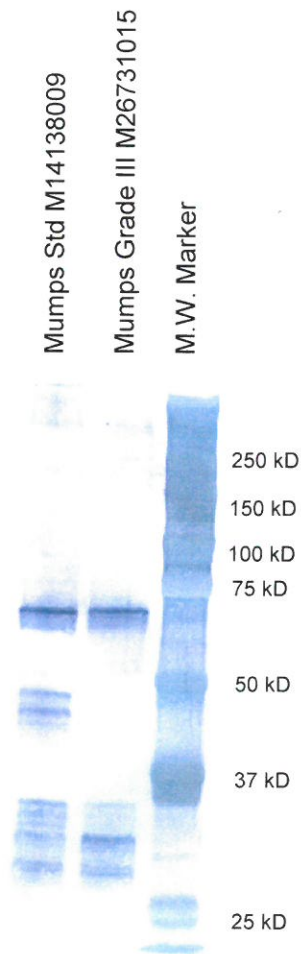
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## Mumps Grade III

Part #: EV9529

Lot #: M26731015

## Western Blot



23 Sep 2015