

**PRODUCT:** WILLIAM'S MEDIUM E  
Without L-Glutamine

**CATALOG#:** 112-033-101      **Size:** 500ml

**LOT#:** 724125

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**CERTIFICATE OF ANALYSIS**

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	<u>Range</u>	<u>Result</u>
<b>PH:</b>	6.8 – 7.2	7.060
<b>OSMOLALITY:</b>	280 - 310 mOsm/kg of water	303
<b>ENDOTOXIN:</b>	Test & Report	<0.020 EU/ml
<b>MYCOPLASMA:</b>	Negative	pass
<b>APPEARANCE:</b>	Pink to a reddish-orange colored fluid.	pass
<b>STERILITY:</b>	No evidence of bacterial or fungal contamination after 14 days testing on fluid thioglycollate and Tryptic Soy broth.	pass
<b>CELL GROWTH:</b>	Grows mostly monolayer cells. Cells have been propagated for two consecutive passages with an average 3.0/4.0 fold increase in four days.	pass
<b>RECOMMENDED STORAGE CONDITIONS:</b>	2 – 8°C	
<b>MANUFACTURED DATE:</b>	2/2021	
<b>EXPIRATION DATE:</b>	2/2023	

*Michael J. Fisher*

02/23/2021

Quality Assurance

Date

**FOR RESEARCH USE ONLY**  
**NOT FOR IN-VITRO DIAGNOSTIC USE.**