

**MOLTOX BACTERIOLOGICAL MEDIA
FORMULATION & QUALITY CONTROL STATEMENT**

PART NO.: 21-199
LOT NO.: 54844

ASSEMBLY DATE: July 28, 2020
EXPIRATION DATE: September 28, 2020

MEDIA DESIGNATION
EC "TRI" PLATES

STORE IN REFRIGERATOR

FORMULATION & ASSEMBLY

COMPONENT	SUPPLIER	CATALOG NO.	LOT NO.	AMOUNT PER LITER FINISHED MEDIA
<u>SECTORS I, II, III:</u>				
Agar	Becton Dickinson (Bacto)	214040	0105319	15 g
50X VBE SALTS (formulated as described by Maron & Ames (<i>Mut. Res.</i> 113 :173, 1983), added at 20 ml/liter finished media)				
MgSO ₄ · 7H ₂ O	Chem Impex	30241	002154-2016-035	200 mg
Citric Acid · H ₂ O	Chem Impex	01231	001920-02919	2 g
K ₂ HPO ₄	Alpha Bio	P16-134	220903-26659030	10 g
NaNH ₄ HP0 ₄ · 4H ₂ O	Chem Impex	01712	002291-00214	3.5 g
40% D-GLUCOSE (added at 50 ml/liter finished media)				
D-glucose	Fisher	D16-10	194813 183779	20 g
<u>SECTORS II, III:</u>				
L-TRYPTOPHAN				
Tryptophan	Chem Impex	00300	O170323	50 mg
<u>SECTORS III:</u>				
AMPICILLIN				
Ampicillin	Fisher	BP1760-25	193433	25 mg

Note: 50X VBE salts diluted to 2X and the resultant solution sterilized and added to sterile 2X agar solution. 40% D-glucose, L-tryptophan and ampicillin were added as previously sterilized solutions.

QUALITY CONTROL- METHODS & RESULTS

STERILIZATION: Media were steam sterilized at 15 lbs/sq in for 20 min @ 121°C. Temperature sensitive devices (thermocouples) were used to check each cycle.

MEDIA STERILITY TEST: Finished media were incubated for 40 - 48 h at 35 ± 2°C. Samples of media from each element (e.g., flask) comprising the production run were uniquely identified and tested as above. The appearance of adventitious agent growth would have led to the rejection of the sampled pool.

EVALUATION OF MEDIA NUTRIENT PROPERTIES (GROWTH TEST): Samples of finished media were inoculated with a *Escherichia coli* WP2 strain (with or without *uvrA*; -pKM101). Media were judged suitable for release if the resultant cultures exhibited growth characteristic of R factor vs. non-R factor master plate cultures after 40-48 h incubation at 35 ± 2°C.

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