

Certificate of Analysis

Product: SDA Medium-Ade-His-Leu-Trp
Catalog No.: 4842-1X2; 4842-165; 4842-185
Lot No.: 37281

FORMULATION: 1.7 g YNB, 5 g Ammonium Sulfate, 20 g Dextrose, 17 g Agar, 0.69 g CSM-Ade-His-Leu-Trp (see below for CSM formulation).

Drop-Out Supplements	mg/L
Adenine	0
L-Arginine HCl	50
L-Aspartic Acid	80
L-Histidine HCl	0
L-Isoleucine	50
L-Leucine	0
L-Lysine HCl	50
L-Methionine	20
L-Phenylalanine	50
L-Threonine	100
L-Tryptophan	0
L-Tyrosine	50
Uracil	20
L-Valine	140
Total	610

Recommended Use:

Add contents of the pouch (27.32 g) to 1000 ml of distilled, deionized water. Autoclave at 121°C for 15 minutes for complete synthetic defined single drop-out medium for the growth of *S.cerevisiae*.

Storage:

Store SDA Medium-Ade-His-Leu-Trp pouch at ambient temperature (15-30°C). SDA Medium-Ade-His-Leu-Trp is hygroscopic, therefore minimize exposure to air to prolong storage of powder mixture. Store sterile agar medium at 4°C.

Shelf Life: SDA Medium-Ade-His-Leu-Trp has a shelf life of 4 years in an unopened pouch.

Quality Assurance Information

Media Preparation:

Reagents are tested and chosen for their ability to promote optimum growth of yeast strains when combined in the SDA Medium-Ade-His-Leu-Trp formula. DOBA (Drop Out Base with Agar) is 1.7 g Yeast Nitrogen Base, 5 g Ammonium Sulfate, 20 g Dextrose, 17 g Agar per liter. Chosen reagents are combined in the proper proportions according to the formulation listed in the certificate of analysis and milled to a powder which thoroughly blends the reagents for uniform distribution. A sample of the milled and blended formulation was used to prepare plate medium by adding 44.4 g of SDA Medium-Ade-His-Leu-Trp to 1000 ml of purified water. The combinations were mixed by hand for about 1 minute to dissolve the dextrose and autoclaved at 121°C for 15 minutes. After cooling to 50°C plates were poured.

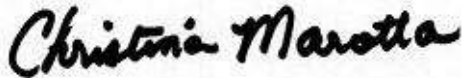
SDA Medium-Ade-His-Leu-Trp (DOBA with CSM-Ade-His-Leu-Trp) with agar was visually inspected after autoclaving for complete dissolution of components. The pH of the medium was tested to insure that the proper specification was attained. Acceptable pH range is 5.0 - 5.8.

Results of Quality Control Assay:

SD Medium-Ade-His-Leu-Trp liquid solution was determined to be **clear** and **particulate free**.
pH of solution was found to be **5.28**

Conclusions:

This lot of SD Medium-Ade-His-Leu-Trp is released for product sales.



05/10/2013 - Christina Marotta
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MSDS available online at www.mpbio.com