



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530
Fax: 440/337-1180
mailto: biotech@mpbio.com
web: <http://www.mpbio.com>

TECHNICAL INFORMATION

Catalog Number: 4830065, 4830075, 4830095

SD MEDIUM-HIS-LEU-TRP

Formulation: 1.7 g YNB, 5 g Ammonium Sulfate, 20 g Dextrose, 0.62 g CSM-Histidine HCL-Leucine-Tryptophan (see below for CSM formulation).

Recommended Use: Add contents of the pouch (13.7 g) to 500 mL or (27.4 g) to 1000 mL of distilled, deionized water. Add agar 17 g/L if pouring plates. Autoclave at 121°C for 15 minutes for complete synthetic defined single drop-out medium for the growth of *S.cerevisiae*.

Storage: Store SD Medium-TRP pouch at ambient temperature (15-30°C). SD Medium-TRP is hygroscopic, therefore minimize exposure to air for prolonged period of time. Store sterile agar medium at 4°C and liquid medium at 15-30°C in subdued light.

Synthetic Defined (SD) Yeast Media

Salts	mg/L iter	Yeast Nitrogen Base (YNB)	Dropout Base (DOB)	Synthetic Defined Media (SD)
Potassium Phosphate, monobasic	1000.000			
Magnesium Sulfate	500.000			
Sodium Chloride	100.000			
Calcium Chloride	100.000			
Vitamins				
Biotin	0.002			
Pantothenate, calcium	0.400			
Folic Acid	0.002			
Inositol	2.000			
Niacin	0.400			
PABA	0.200			
Pyridoxine, HCl	0.400			
Riboflavin	0.200			
Thiamine, HCl	0.400			
Trace Elements				
Boric Acid	0.500			
Copper Sulfate	0.040			
Potassium Iodide	0.100			
Ferric Chloride	0.200			
Manganese Sulfate	0.400			
Sodium Molybdate	0.200			
Zinc Sulfate	0.400			
Total	1705.844			
Ammonium Sulfate	5000.000			
Dextrose	20000.000			
Total	26705.844			
Adenine	10.000	Complete Supplement Mixture (CSM)		
L-Arginine HCl	50.000			
L-Aspartic Acid	80.000			
L-Histidine HCl	20.000			
L-Isoleucine	50.000			
L-Leucine	100.000			
L-Lysine HCl	50.000			
L-Methionine	20.000			
L-Phenylalanine	50.000			
L-Threonine	100.000			
L-Tryptophan	50.000			
L-Tyrosine	50.000			
Uracil	20.000			
L-Valine	140.000			
Total	790.000			
Total	27495.844			