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## TECHNICAL INFORMATION

Catalog Number: 4842065

### SD MEDIUM-ADE-HIS-LEU-TRP

**Formulation:** 1.7 g YNB, 5 g Ammonium Sulfate, 20 g Dextrose, 0.61 g CSM-Adenine-Histidine-HCL-Leucine-Tryptophane (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**

<b>Salts</b>	<b>mg/L iter</b>	<b>Yeast Nitrogen Base (YNB)</b>	<b>Dropout Base (DOB)</b>	<b>Synthetic Defined Media (SD)</b>
Potassium Phosphate, monobasic	1000.000			
Magnesium Sulfate	500.000			
Sodium Chloride	100.000			
Calcium Chloride	100.000			
<b>Vitamins</b>				
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			
<b>Trace Elements</b>				
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			
<b>Total</b>	<b>1705.844</b>			
Ammonium Sulfate	5000.000			
Dextrose	20000.000			
<b>Total</b>	<b>26705.844</b>			
Adenine	10.000	<b>Complete Supplement Mixture (CSM)</b>		
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			
<b>Total</b>	<b>790.000</b>			
<b>Total</b>	<b>27495.844</b>			