

**DROP-OUT MIX, SYNTHETIC**  
**COMPLETE AMINO ACID SUPPLEMENT**  
**Without Yeast Nitrogen Base (Powder)**

**Catalog #:** DOM001

**Directions per Liter (Broth):**

Mix 2 grams of drop-out mix with 6.7g Yeast Nitrogen Base w/o AA, carbohydrate and w/ Ammonium sulfate per liter of ddH<sub>2</sub>O. Adjust to desired pH. Sterilize with 0.2 µm membrane filter.

**Directions per Liter (Plates):**

Mix 2 grams of drop-out mix with 43.7g drop out base\* w/agar per liter of distilled/deionized water. Mix thoroughly. Heat with stirring and boil for 1 minute until completely dissolved. Dispense into appropriate containers, loosen caps and autoclave for 15minutes at 121° C (15 lb/in<sup>2</sup>).

**Note:** It may be preferable to filter sterilize since the vitamins in drop-out base are labile.

**Formulation:** Each bottle is a homogeneous mixture of the following amino acids and nucleotide bases and vitamins.

**Amino Acids:**

		Isoleucine	2.0g
Alanine	2.0g	Lysine	2.0g
Arginine	2.0g	Methionine	2.0g
Asparagine	2.0g	Phenylalanine	2.0g
Aspartic Acid	2.0g	Proline	2.0g
Cysteine	2.0g	Serine	2.0g
Glutamic Acid	2.0g	Threonine	2.0g
Glutamine	2.0g	Tryptophan	2.0g
Glycine	2.0g	Tyrosine	2.0g
Histidine	2.0g	Valine	2.0g
Leucine	10.0g		

**Nucleotide Bases :**

Adenine	0.5g
Uracil	2.0g

**Vitamins:**

p-Aminobenzoic Acid	0.2g
Inositol	2.0g

**\*Drop-out base in g/L:** 20g of carbon source (Galactose, Glucose or Raffinose) and 6.7g of Yeast Nitrogen base w/o AA, w Ammonium sulfate. Drop-out base with agar, add 17g of agar.

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