

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

**Catalog #:** DOM004

**Directions per Liter (Broth):**

Mix 1.62 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 1.62 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 MINUS LEUCINE.

**Amino Acids:**

p-Aminobenzoic Acid	0.2g	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

**Nucleotide Bases:**

Adenine	0.5g
Inositol	2.0g
Uracil	2.0g

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