

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

**Catalog #:** DOM006

**Directions:**

1. Mix 1.92 grams of drop-out mix with 26.7g drop-out base (or 43.7g drop out base w/agar) per liter of distilled/deionized water, heating with stirring until completely solubilized.
2. Adjust to desired pH.
3. Dispense into appropriate containers, loosen caps and autoclave for 15-20 minutes 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 TRYPTOPHAN

**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	Tyrosine	2.0g
Glycine	2.0g	Valine	2.0g
Histidine	2.0g		
Leucine	10.0g		

**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 Ammonium sulfate. Drop-out base with agar, add 17g of agar.

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