

Technical Information

Complete Supplement Mixture w/o LEU-TRP

Product Code : G1115

Complete Supplement Mixture w/o LEU-TRP is used as a dropout supplement for all strains of *Saccharomyces cerevisiae*.

Composition**

| Ingredients | Mg/Litre |
|-----------------|----------|
| Adenine | 10.00 |
| L-Arginine HCl | 50.00 |
| L-Aspartic acid | 80.00 |
| L-Histidine HCl | 20.00 |
| L-Isoleucine | 50.00 |
| L-Lysine HCl | 50.00 |
| L-Methionine | 20.00 |
| L-Phenylalanine | 50.00 |
| L-Threonine | 100.00 |
| L-Tyrosine | 50.00 |
| Uracil | 20.00 |
| L-Valine | 140.00 |

** Formula adjusted, standardized to suit performance parameters

Methodology

Suspend 640 mg in 1000 ml distilled water. Sterilize by autoclaving at 10 lbs pressure (115oC) for 20 minutes. Mix well and dispense as desired.

Principle and Interpretation

Complete Supplement Mixture w/o LEU-TRP is used as a dropout supplement for all strains of *Saccharomyces cerevisiae*. Complete Supplement Mixture (CSM) is composed of all the amino acids required for the vigorous growth of *Saccharomyces cerevisiae*. It also contains uracil. CSM w/o LEU-TRP does not contain leucine and tryptophan. This makes it a double dropout growth medium for yeast cells. It can be mixed with yeast nitrogen base (YNB), ammonium sulphate and an appropriate carbon source (glucose/galactose/raffinose). A leucine and tryptophan auxotrophic yeast mutant strain cannot grow on this media but a wild-type or a leucine and tryptophan prototrophic yeast strain can grow.

Quality control

Appearance of Powder :

White to cream coloured, homogeneous, free flowing powder.

Colour and Clarity :

Colourless, clear solution without any precipitate.

Cultural Response :

Cultural characteristics observed after an incubation at 25-30°C for 18 - 48 hours.

Organisms (ATCC)

Saccharomyces cerevisiae ATCC 9763

Growth

good-luxuriant

Storage and Shelf Life

Store below 30°C and the prepared medium at 2 - 8°C. Use before expiry date on the label.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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