

Technical Information

Complete Supplement Mixture w/o HIS-LEU

Product Code : G1120

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

Composition**

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

** Formula adjusted, standardized to suit performance parameters

Methodology

Suspend 670 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 HIS-LEU 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 HIS-LEU does not contain histidine and leucine. 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 histidine and leucine auxotrophic yeast mutant strain cannot grow on this media but a wild-type or a histidine and leucine prototrophic yeast strain can grow.

Quality control

Appearance of Powder :

White to light yellow coloured, homogeneous, free flowing powder.

Colour and Clarity :

Colourless to pale yellow coloured, 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 in tightly closed container 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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