

Technical Information

Complete Supplement Mixture w/o HIS

Product Code : G1105

Complete Supplement Mixture w/o HIS 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-Leucine	100.00
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 770 mg in 1000 ml distilled water. Sterilize by autoclaving at 115°C for 20 minutes. Mix well and dispense as desired.

Principle and Interpretation

Complete Supplement Mixture w/o HIS 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 does not contain histidine. This makes it a 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) to produce a media suitable for the growth of histidine prototrophs and wild type strains of *S.cerevisiae* but histidine auxotroph cannot grow in this media. Therefore, CSM w/o HIS can be used as drop-out formulation for the selection of auxotrophic requirements and transformants.

Quality control

Appearance of Powder :

White to off-white coloured, homogeneous, free flowing powder.

Colour and Clarity of prepared medium :

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 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.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.