

## Complete Supplement Mixture w/o HIS

G105

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

### Composition\*\* :

Ingredients	Milligrams/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

### Directions :

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.

Please refer disclaimer Overleaf

**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)**

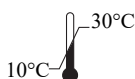
*Saccharomyces cerevisiae* ATCC 9763

**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.



Storage temperature



Do not use if package is damaged



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