

## Complete Supplement Mixture w/o HIS-TRP

**G116**

Complete Supplement Mixture w/o HIS-TRP 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-Tyrosine	50.00
Uracil	20.00
L-Valine	140.00

\*\* Formula adjusted, standardized to suit performance parameters

### Directions :

Suspend 720 mg in 1000 ml distilled water. Sterilize by autoclaving at 10 lbs pressure (115°C) for 20 minutes. Mix well and dispense as desired.

### Principle and Interpretation :

Complete Supplement Mixture w/o HIS-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 HIS-TRP does not contain histidine 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 histidine and tryptophan auxotrophic yeast mutant strain

Please refer disclaimer Overleaf

1



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cannot grow on this media but a wild-type or a histidine and tryptophan 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)**

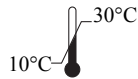
*Saccharomyces cerevisiae* ATCC 9763

**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.



Storage temperature



Do not use if package is damaged



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**Disclaimer :**

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