

Complete Supplement Mixture w/o LEU

G106

Complete Supplement Mixture w/o LEU 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-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-Tryptophan	50.00
L-Tyrosine	50.00
Uracil	20.00
L-Valine	140.00

** Formula adjusted, standardized to suit performance parameters

Directions :

Suspend 690 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 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 LEU does not contain leucine. 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 leucine prototrophs and wild type strains of *S. cerevisiae* but leucine auxotroph cannot grow in this media. Therefore, CSM w/o LEU can be used as drop-out formulation for the selection of auxotrophic requirements and transformants.

Please refer disclaimer Overleaf

1



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Quality Control :

Appearance of Powder :

White to off-white, 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)

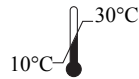
Saccharomyces cerevisiae ATCC9763

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.



Storage temperature



Do not use if package is damaged



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Disclaimer :

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