

Technical Information

Complete Supplement Mixture w/o URA, w/ 40mg/l ADE

Product Code : G1114

Complete Supplement Mixture w/o URA, w/ 40mg/l ADE is used as a dropout supplement for the preparation of Synthetic Defined Medium for all strains of *Saccharomyces cerevisiae*.

Composition**

Ingredients	Mg/Litre
Adenine	40.00
L-Arginine HCl	50.00
L-Aspartic acid	80.00
L-Histidine HCl	20.00
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
L-Valine	140.00

** Formula adjusted, standardized to suit performance parameters

Methodology

Suspend 800 mg in 1000 ml distilled water. Sterilize by autoclaving at 10 lbs pressure (115°C) for 20 minutes. Mix well and dispense as desired. For the preparation of Synthetic Defined Medium : Suspend 1.7 g YNB (G1090) ,5g Ammonium Sulphate ,20 g Dextrose and 800 mg (G1114) in 1000ml 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 URA, w/ 40mg/l ADE is used as a dropout supplement for the preparation of Synthetic Defined Medium for all strains of *Saccharomyces cerevisiae*.

Quality control

Appearance of Powder :

Light yellow coloured, homogeneous, free flowing powder.

Colour and Clarity :

Light 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 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.
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