

Synthetic Complete Supplement Mixture (SC) w/o URA

G155

Synthetic Complete Supplement Mixture (SC) w/o URA is used as a dropout supplement for all strains of *Saccharomyces cerevisiae*.

Composition :**

Ingredients	Milligrams/Litre
Adenine	21.00
L-Alanine	85.60
L-Arginine HCl	85.60
L-Asparagine	85.60
L-Aspartic acid	85.60
L-Cysteine HCl	85.60
Glutamine	85.60
L-Glutamic acid	85.60
Glycine	85.60
L-Histidine HCl	85.60
Myo-Inositol	85.60
L-Isoleucine	85.60
L-Leucine	173.40
L-Lysine HCl	85.60
L-Methionine	85.60
L-Phenylalanine	85.60
L-Proline	85.60
L-Serine	85.60
L-Threonine	85.60
L-Tryptophan	85.60
L-Tyrosine	85.60
L-Valine	85.60

** Formula adjusted, standardized to suit performance parameters

Directions :

Suspend 1.91 grams 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 :

Synthetic Complete Supplement Mixture (SC) w/o URA is used as a dropout supplement for all strains of *Saccharomyces cerevisiae*. This yeast strain is called budding yeast and is extensively studied microorganism in molecular and cell biology.

Please refer disclaimer Overleaf

Principle and Interpretation :

Synthetic Complete Supplement Mixture (SC) w/o URA supplies the essential nutritional elements for budding yeast cells. It is composed of all the amino acids required for the vigorous growth of *Saccharomyces cerevisiae* but it does not contain uracil, the pyrimidine derivative. 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 uracil prototrophs and wild type strains of *S. cerevisiae* but uracil auxotroph cannot grow in this media. Therefore, SC w/o URA 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 :

Colourless clear solution without any precipitate.

Cultural Response :

Cultural characteristics observed after an incubation at 25-30°C for 18 - 48 hours.

Organisms (ATCC)

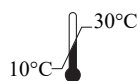
Saccharomyces cerevisiae ATCC 9763

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



HiMedia Laboratories Private Limited,
Reg. Off: Plot No. C-40, Road No. 21Y,
MIDC, Wagle Industrial Area, Thane,
(West) 400604, Maharashtra, INDIA.
Web: www.himedialabs.com



06/2025

PIG155_2/0622

G155-02

Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories 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 or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. 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.

HiMedia Laboratories Pvt. Ltd. Reg. office : Plot No. C-40, Road No. 21Y, MIDC, Wagle Industrial Area, Thane, (West) 400604, Maharashtra, INDIA.
Customer Care No.: 00-91-22-6116 9797 Tel: 00-91-22-6147 1919, 6903 4800 Email: techhelp@himedialabs.com Website: www.himedialabs.com