

Technical Information

MiTransfect Transfection Medium, Reduced Serum With Sodium bicarbonate Without L-Glutamine

Product Code: RSL1013

Application:- The efficiency of transfection can be influenced by the composition of the medium in which cells are grown. Media components affect the growth of transfected cells and as well as expression of the recombinant proteins. For most transfection reagents, the transfection efficiency is reduced with increase in concentration of serum. Hence, low serum and serum-free media are preferred over serum containing media.

RSL1013 is reduced serum transfection medium engineered for culturing multiple mammalian cell line without adaptation. It contains sodium bicarbonate and does not contain L-Glutamine. Users are advised to review the literature for recommendations regarding medium supplementation and physiological growth requirements specific for different cell lines.

Contents

Code	Code Contents
Part A	Basal Medium, liquid
Part B	Reduced Serum Supplement

Directions

Preparation of complete medium

1. Thaw the reduce serum supplement (Part B) overnight at 2-8oC.
2. Disinfect the external surface of bottle of Part A and Part B by spraying with isopropyl alcohol before placing in a biosafety hood.
3. Transfer the entire content of one bottle of Part B to given quantity of basal medium (Part A) under aseptic conditions.
4. Add 20ml of 200mM L-glutamine (TCL1012) for 1 litre of medium and stir until dissolved.
5. Tightly cap the bottle and swirl gently to ensure proper mixing.

Note: Do not mix vigorously. Doing so will cause formation of foam.

6. Store the complete medium (RSL1013) at 2 -8oC until use.

Material required but not provided

Trypsin-EDTA solution (TCL1007)

Trypsin Inhibitor from Soyabean (TCL1068)

Quality control

Appearance

Part A: Orangish red coloured clear solution

Part B: Clear colourless solution

pH

7.00 -7.60

Osmolality in mOsm/Kg H2O

280.00 -320.00

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Cultural Response

The growth promotion capacity of the medium is assessed qualitatively by analyzing the cells for the morphology and quantitatively by estimating the cell counts and comparing it with a control medium.

Endotoxin Content

NMT 1EU/ml

Storage and Shelf Life

- Store basal medium at 2-8oC away from bright light.
- Store reduced serum supplement -20oC.
- Use before expiry date given on the product label.
- Shelf life of the complete medium is 6-8 weeks at 2-8oC.

Note: Freezing of the basal medium and complete medium is not recommended. Avoid repeated freezing and thawing of the reduced serum supplement

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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