

Corning® transfectagro™ Reduced Serum Medium

Technical Brief

CORNING



Introduction

Corning transfectagro medium is an animal component free, defined medium specifically developed for applications and growth of a variety of cell lines with reduced serum. Internal testing has confirmed the ability of transfectagro to support the growth of both adherent and suspension cell lines when supplemented with 2-4% fetal bovine serum (FBS). When supplemented at reduced serum levels, growth in transfectagro is comparable to cell densities obtained in fully supplemented classical media.

Features

- ▶ General purpose basal medium for low serum supplementation conditions.
- ▶ Defined medium: The formulation is free of undefined hydrolysates, ultra filtered lysates, and peptides.
- ▶ Diluent or growth medium for improved transient transfection efficiency as compared to classical media.
- ▶ Provides a more supportive environment for formation of the nucleic acid-transfection reagents complex.
- ▶ Formulated with Corning glutagro™ supplement to provide a stable, ready to use formulation. No glutamine supplementation required.

Formulation

Corning transfectagro is a further modification of the classical media combination of DMEM and F12. The medium is buffered with HEPES and sodium bicarbonate with increased vitamins, sugars, and trace elements. Amounts of selected components have been reduced from those of traditional formulations, allowing for this medium to be used with suspension cultures. Highly purified recombinant proteins are included for optimal performance. Corning transfectagro may be further supplemented with cell line specific growth factors. Additional reducing agents or growth factors beyond serum supplementation are typically not required for most applications. Applications requiring additional factors under standard conditions will still require these factors when using transfectagro.

Protocols: Adaptation and Maintenance in transfectagro

For most cell lines, no weaning procedures are required to convert to transfectagro with a 50% reduction in serum supplementation. To convert the culture to transfectagro:

1. Centrifuge cells
2. Decant supernatant
3. Resuspend in transfectagro supplemented with 2-4% FBS.

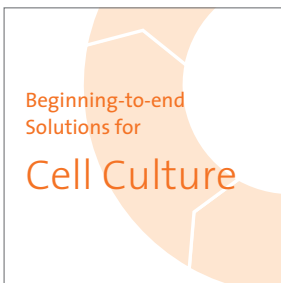
Optimal serum supplementation should be determined empirically for each specific application and compared to standard functional expectations.

Note: If using adherent cell lines and serum levels below 2%, or roller bottles, it is advisable to supplement the medium with 100 mg/L CaCl₂ to promote cell attachment.

Ordering Information

Cat. No.	Description	Storage Temperature	Unit Size	Qty/Pk
40-300-CV	Corning® transfectagro™ Reduced Serum Medium	2-8 °C	500 mL	6

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It is this expertise, plus a 160-year history of Corning innovation and manufacturing excellence, that puts us in a unique position to offer a beginning-to-end portfolio of high-quality, reliable cell culture consumables.

For additional product or technical information, please visit www.cellgro.com or call 1.800.235.5476.

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