

Corning® hybrigro SF™ Medium Frequently Asked Questions

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- 1. What is hybrigro SF Medium?**

hybrigro SF Medium is a complete, animal component-free, defined Medium specifically developed for serum-free growth and antibody production with a variety of hybridoma cell lines.
- 2. Do I need to supplement hybrigro SF Medium with L-glutamine?**

No, hybrigro SF is formulated ready-to-use and requires no further supplementation. The Medium contains Corning glutagro™ supplement to provide a stable, ready-to-use formulation, therefore no glutamine supplementation is required.
- 3. What is glutagro supplement and why is it superior to L-glutamine?**

Corning glutagro supplement is composed of L-alanyl-L-glutamine. It provides the same support to cells in culture as L-glutamine, but L-glutamine breaks down to ammonia in a relatively short period of time, while glutagro supplement lasts much longer.
- 4. Does hybrigro SF Medium contain any phenol red?**

No, hybrigro SF Medium is formulated without phenol red. The slight pink color of the Medium is a combination of the vitamins and trace elements present in the Medium.
- 5. Can hybrigro SF Medium be used for suspension cultures?**

Yes, hybrigro SF Medium was designed for both static and agitated suspension cultures. The Medium contains the shear force protectant poloxamer 188.
- 6. Is hybrigro SF Medium a defined Medium?**

Yes, there are no undefined hydrolysates, ultra filtered lysates, or peptides present in the formulation. Additionally, hybrigro SF Medium contains low concentrations of highly purified non-animal origin recombinant proteins (1 mg/mL protein as albumin and transferrin) added for enhanced cell growth and productivity. The recombinant proteins used are highly purified, well characterized, and have been shown to not interfere with downstream processing applications.
- 7. Will hybrigro SF Medium support the growth of NS0?**

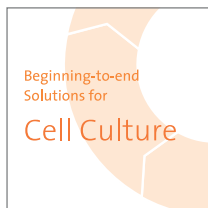
Yes, although additional supplementation with a soluble cholesterol preparation is required for cholesterol-auxotrophic myeloma derived hybridomas (e.g., NS0, NS1, and P3x63Ag8.653).
- 8. How often should I split my cultures when grown in hybrigro SF Medium?**

It is suggested that each cell line seeding and passaging density be determined experimentally. Hybridoma cultures should be split into fresh, serum-free Medium every 3-4 days and seeded at 0.5 to 1 x 10⁵ cells/mL to maintain optimal growth and productivity.
- 9. Can I cryogenically preserve my cells in hybrigro SF Medium?**

Yes, gently pellet mid-log phase cells for freezing. Remove supernatant and resuspend in a volume of cryopreservation Medium (e.g. 500 µL conditioned Medium: 500 µL fresh Medium plus 50 to 100 µL DMSO) to obtain a final cell density of 1 to 5 x10⁶ cells/mL. If using a centrifuge after thawing cells, take care to use low speed as cells are extremely fragile following freezing.

Corning® hybrigro™ Medium Ordering Information

Cat. No.	Description	Unit Size	Qty/Pk
40-215-CV	hybrigro SF Medium with glutagro supplement	500 mL	1



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At Corning, cells are in our culture. In our continuous efforts to improve efficiencies and develop new tools and technologies for life science researchers, we have scientists working in Corning R&D labs across the globe, doing what you do every day. From seeding starter cultures to expanding cells for assays, our technical experts understand your challenges and your increased need for more reliable cells and cellular material.

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.

Mediatech, Inc.
A Corning Subsidiary
9345 Discovery Boulevard
Manassas, VA 20109
t 800.235.5476
t 703.471.5955
f 703.467.9851
www.cellgro.com

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