

BioWhittaker® UltraDOMA™ Protein-free Hybridoma Medium Instructions for Use

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I. Introduction

UltraDOMA™ Medium is a protein-free medium designed for use with hybridoma cell lines of murine, human or chimeric origin. UltraDOMA™ Medium is defined and does not contain peptides or tissue extracts. L-glutamine and HEPES buffer are included in the formulation.

UltraDOMA™ Medium is designed for lab scale or industrial scale use. Using UltraDOMA™ Medium significantly simplifies down-stream processing since all proteins present in the culture supernatant are produced by the cell. The medium is complete and is available as a 1X liquid (Cat. No. 12-727). Additional volumes and powder formats can be created as a custom.

A selected list of cells cultivated with UltraDOMA™ PF Medium is shown below:

Cell Type

Murine hybridomas

NS-1 derived myelomas

SP-2 derived myelomas

Human hybridomas (with 0.5% FBS)

Rat hybridomas

Some transfected Chinese Hamster Ovary (CHO) cell lines

Human lymphoid origin cells

Murine lymphoid origin cells

For answers to frequently asked questions regarding this product, please visit our FAQ Database:

www.lonza.com/faq

For citations citing the use of this product, please visit our Citations Database:

www.lonza.com/citations

II. Instructions for Use

Growth of Cells in UltraDOMA™ PF Medium

1. Adaptation of cells to UltraDOMA™ Medium may not be necessary. If adaptation is required, we recommend an initial split ratio of 1:2 into UltraDOMA™ Medium followed by sequential splits of 1:5 until the culture is adapted to the new medium. During the weaning process, the cell concentration should be maintained above 3.0×10^5 cells/mL.
2. The recommended seeding density for cells adapted to UltraDOMA™ Medium is 5.0×10^4 cells/mL. The cultures should be incubated at 35 -37°C in an atmosphere composed of 95% air, 5% CO₂.

Product Use Statement

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or *in vitro* diagnostic procedures.

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III. Storage

UltraDoma™ Medium should be stored in the dark at 2 -8°C.

IV. Ordering Information

Cat. No.	Product	Size
12-727F	UltraDOMA™ Medium; protein-free hybridoma medium 1X liquid, with L-glutamine	500 mL
12-723B/ BE12-723F	UltraDOMA™ Medium, serum free	500 mL

Related Products (sold separately)

Cat. No.	Product	Size
17-724F	Water for cell culture	500 ml
17-724Q	Water for cell culture	1 L