CBMC-MCdex1 Gamma microcarriers

Product Information

Cat#No#	MCdex-01G

Product Overview

Gamma-sterilized and ready to use for quick culture start-up. Delivered in a convenient, single-use container system for easy transfer to various cell culture vessels. Supplied dry to save storage space and facilitate transportation. Enable culturing of anchorage-dependent cells in single-use bioreactor to eliminate the need for cleaning and cleaning validation. Supported by extensive product documentation to facilitate regulatory filing. Serum-free function testing to ensure performance.

Form	sterilized, dry power

Characteristic

CBMC-MCdex1 Gamma is based on a cross-linked dextran matrix which is substituted with positively charged N, N-diethylaminoethyl groups. The charged groups are distributed throughout the microcarrier matrix and the resin has an ionic capacity of 1.4 to 1.6 mmol Cl- /g of resin.

Applications

Microcarrier-based culturing can be performed in simple shaker flasks or roller bottles as well as in more advanced traditional or single-use bioreactor systems, from milliliter to thousands-of-liter scales. Compared with cultivation in several shake flasks or roller bottles, one single bioreactor culture allows: Automatic control of pH and dissolved oxygen (DO), in-line cell counting, and logging of cell culture data for product documentation. Perfusion culturing to high cells densities, minimizing the need for several intermediate seed train bioreactors during scale-up. Scaling to be performed in one bioreactor system. Inactivation of harmful organisms in the entire culture batch to be performed in just one step.

Quality control analysis

Performance of CBMC-MCdex1 Gamma is validated with serum free medium. Every batch conforms to stringent specifications. Quality control tests are performed to satisfy both physiochemical and functional (i.e., cell growth) properties.

Swelling

20 ml/g

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.com

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

CBMC-MCdex1 Gamma microcarriers

Shelf life	
The shelf life of CBMC-MCdex1 Gamma is two years.	
Sterilization	
Gamma irradiated CBMC-MCdex1 Gamma products are validated sterile at a SAL of 10-6 according to ISO/AAMI/ASTM 11137.	
Size	30g; 100g; 500g; 1kg; 2.5kg; 5kg
Approximate Surface Area Dry Weight	
0.44 m2/g	
Approximate Number of Micro-Carriers Dry Weight	
4.3 × 10^6	

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.com

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA