

MACS® Media – quality that counts

High protein yields and optimal CHO growth

Get the most from CHO cells with Miltenyi Biotec's **CHOMACS CD** medium and **Feed Supplement**. Be assured that you obtain the best culture conditions for your CHO clones and optimal protein yields in batch and fed-batch cultures.

- **Get optimal results – chemically defined and protein-free composition**
- **Maintain and extend production capability of CHO cultures**
- **Maximize protein yields**

► macscellculture.com/cho

Optimized cell growth

Every CHO clone is different and your clones deserve only the best. Miltenyi Biotec has developed CHOMACS CD medium to optimize cell growth. Figure 1 shows the performance of CHOMACS CD medium compared to media from other providers. Figure 2 demonstrates the viable cell density attained by different CHO clones cultured in CHOMACS CD medium.

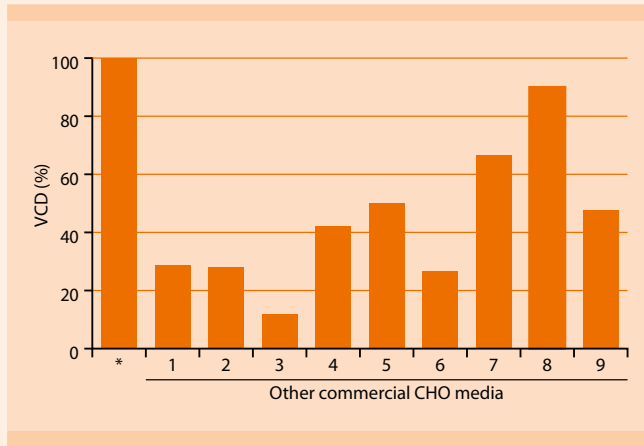


Figure 1: The relative viable cell density (VCD) attained by CHO-K1 in a variety of commercially available specialty media. * = CHOMACS CD medium

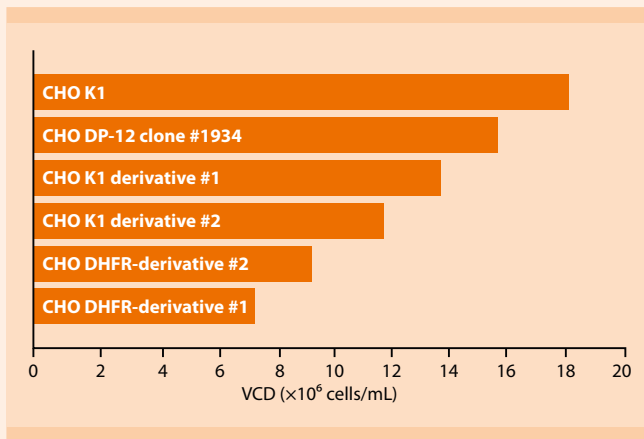


Figure 2: The viable cell density (VCD) attained by different clones of CHO cells cultured in CHOMACS CD medium in bioreactors.

Improved protein yields

The CHOMACS Feed Supplement is a concentrated solution of essential vitamins and amino acids that, when added as required to CHOMACS CD medium, increases total protein yield from fed-batch cultures by process extension. Figure 3 shows the amazing protein yield obtained from a fed-batch culture over a period of 17 days.

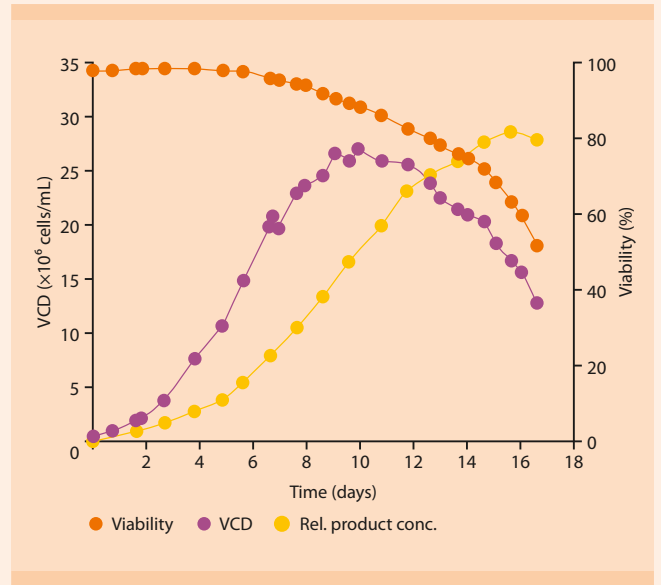


Figure 3: Viable cell density (VCD), cell viability, and relative product concentration assayed during the fed-batch culture of CHO rDG44 cells. Cells were cultured in CHOMACS CD medium, and supplemented with CHOMACS Feed Supplement as required.

Get inspiring tools from a reliable partner

Miltenyi Biotec is a provider of quality products and services, and home to MACS® Technology – the gold standard in cell separation. We supply complete solutions to clinical, academic, and industrial institutions worldwide.



Miltenyi Biotec's GMP production facility in Teterow, Germany.



Miltenyi Biotec GmbH | Friedrich-Ebert-Straße 68 | 51429 Bergisch Gladbach | Germany | Phone +49 2204 8306-0 | Fax +49 2204 85197
 macs@miltenyibiotec.de | www.miltenyibiotec.com

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