

CHO Cell Culture Media & Feeds

Selecting the right media to enable your next breakthrough

Our chemically defined catalog media portfolio combines both Cellvento® and EX-CELL® cell culture media brands to offer a comprehensive range of off-the-shelf products to support all of your CHO production processes.

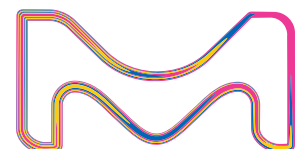
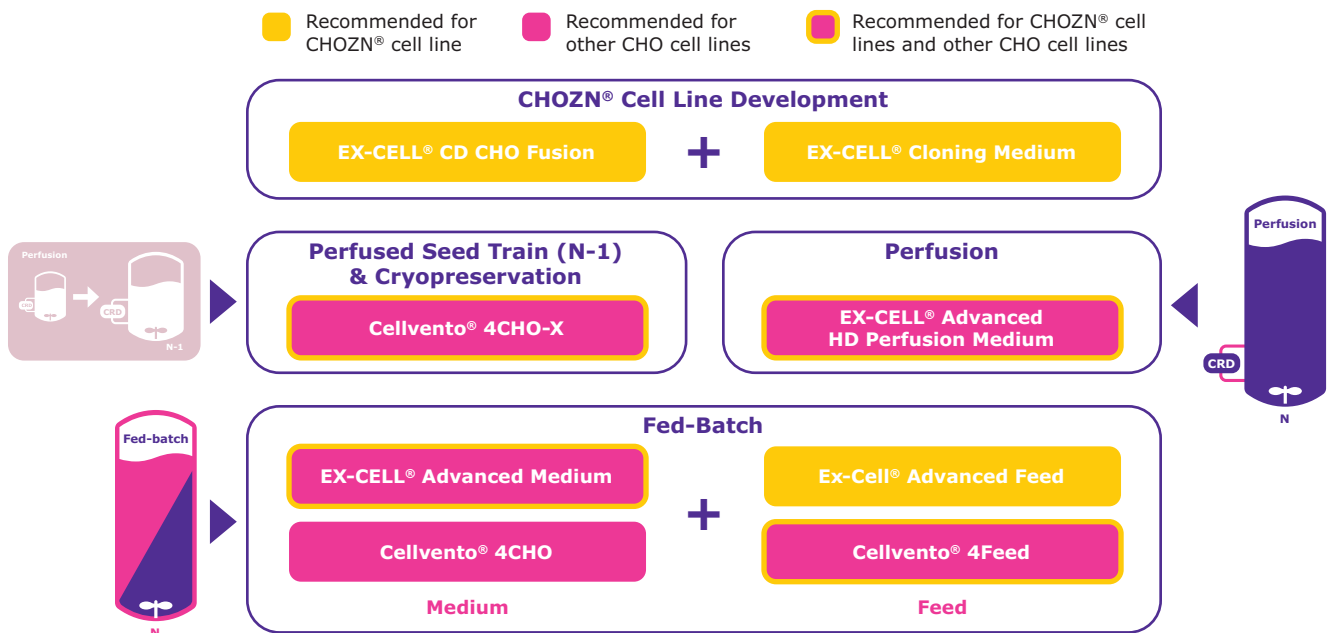
These products contain well balanced nutrients to support CHO cell lines used in the industry to maximize performance. Our latest technologies such as modified amino acids and media compaction are applied to our catalog portfolio to address your process intensification needs.

Our products, documentation and technical support team are available to assure that all of your potential needs for CHO processing are met. Insuring consistent and aligned performance for all of your manufacturing needs.

To support cell line development needs, please reference our CHOZN® cell line offering as this provides you an integrated solution to accelerate your time to market.

Catalog Media Selection Guidance

The following are our preferred catalog media products from our extensive CHO media offering. Many other products are still available but this offering represents our newest generation products recommended for use.



Detailed Selection Guidance

From Cell Line Development to Full Scale

CHOZN® Cell Line Development:

For Cell Line development the following media are recommended: EX-CELL® Cloning Medium, EX-CELL® CD CHO Fusion & EX-CELL® Advanced Fed-batch Medium.

Please see CHOZN® technical bulletin for further details.

Perfused Seed Train Application

During development and at scale we recommended the Cellvento® 4CHO-X at N-1 to spike high cell densities to enhance performance in both fed-batch and perfusion production. Suits as well as cryomedium when supplemented with DMSO.

CHO Perfusion Applications

The EX-CELL® Advanced HD Perfusion Medium is recommended for production perfusion applications as this medium can reach and maintain high cell densities at low cell specific perfusion rates (CSPR), while supporting high volumetric productivities.

For further details, please reference product information:

[EMDMillipore.com/cellvento](https://www.emdmillipore.com/cellvento)

[SigmaAldrich.com/safc/bioprocess.html](https://www.sigmaaldrich.com/safc/bioprocess.html)

CHO Fed-batch Applications

CHOZN®

During development and at scale we recommend the EX-CELL® Advanced Medium with either the Cellvento® 4Feed or EX-CELL® Advanced Feed. Both feeds should be tested as both can be preferred in different situations.

All Applications

During development and at scale we recommend either basal medium EX-CELL® Advanced Medium or Cellvento® 4CHO medium with either the Cellvento® 4Feed or EX-CELL® Advanced Feed. The Cellvento® 4Feed offers the benefit of higher concentration and incorporation of modified amino acids.

To place an order or receive technical assistance in Europe, please call Customer Service:
France: 0825 045 645
Germany: 069 86798021
Italy: 848 845 645
Spain: 901 516 645 Option 1
Switzerland: 0848 645 645
United Kingdom: 0870 900 4645

For other countries across Europe, please call: +44 (0) 115 943 0840
Or visit: [MerckMillipore.com/offices](https://www.merckmillipore.com/offices)
For Technical Service visit: [MerckMillipore.com/techservice](https://www.merckmillipore.com/techservice)

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