Datasheet

Panserin H8000

Protein-free Complete Medium for Cholesterol-dependent Hybridoma / Myeloma Cells

Product	Description	Catalogue-No.	Size
Panserin H8000	**Protein-free complete medium for cholesterol-dependent Hybridoma / Myeloma cells**	**P04-718000M P04-718000**	**100 ml 500 ml**

Product description
Panserin H8000 is a protein-free ready-to-use medium for an optimized growth of cholesterol-dependent myeloma and hybridoma cell lines in suspension culture for the production of monoclonal antibodies. Panserin H8000 is suitable for spinner cultures, roller bottles and tissue culture flasks and bioreactors.

Storage conditions
Storage: 2-8°C
Stability: 1 year from date of production
Size: 100 ml, 500 ml, other sizes on request

Composition
Panserin H8000 consists of a balanced mixture of salts, amino acids, vitamins, trace elements, hormones, bioavailable cholesterol and is enriched with selected plant hydrolysates for an optimized growth of cholesterol-dependent myeloma and hybridoma cell lines.

Suitability
Cultivation of myeloma and hybridoma cell lines for the production of monoclonal antibodies.
FOR RESEARCH USE ONLY!
Not approved for human or animal diagnostic or therapeutic procedures.

Special advantages
The formulation of the protein-free Panserin H8000 with a low concentration of plant hydrolysates enables a high cell yield in combination with excellent production rates of monoclonal antibodies. The ready-to-use protein-free medium allows easy handling and therefore reduces contamination risks and ensures a simple and economic purification of final products in the downstream processing.

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Instructions for use

Adaption to a protein-free culture

Most hybridoma cell lines can be directly transferred from a serum containing culture into the protein-free suspension culture. The seeding density should be at least 1-3x10^5 cells.

Direct adaptation to Panserin H8000

- Use cells from a serum-containing culture (e.g. RPMI 1640 with 10% FBS) in the log-phase (80% of maximum cell density).
- Determine cell count and viability by trypan blue staining.
- Seed approx. 1-3 x 10^5 cells/ml in prewarmed Panserin H8000.
- Incubate the cells in an incubator at 37°C and 5% CO_2.
- Once the cells have reached approx. 80% of the maximum density transfer the cells into fresh Panserin H8000. Initially maintain high seeding densities until the cells have adapted to the protein-free culture.
- When the growth rate is comparable to the serum containing culture the cells should be transferred into fresh Panserin H8000 every 3-4 days.
- If the growth rate is not sufficient or the maximum cell densities are not reached perform the described indirect adaption as described below.

Indirect adaptation to Panserin H8000

- Use cells from a serum-containing culture (e.g. RPMI 1640 with 10% FCS) in the log-phase (80% of maximum cell density).
- Determine cell count and viability by trypan blue staining.
- Seed approx. 1-3 x 10^5 cells/ml in prewarmed Panserin H8000 with additional 5% FBS.
- Incubate the cells in an incubator at 37°C and 5% CO_2.
- Once the cells have reached approx. 80% of the maximum density transfer the cells into fresh Panserin H8000 with 2% FBS.
- During the next splitting step use Panserin H5000 with 1% FBS and finally use Panserin H5000 with 0.1% FBS (same steps as mentioned above).

When the growth rate is comparable to the serum-containing culture the cells should be transferred into fresh Panserin H8000 without any additional FBS every 3-4 days.

Technical Support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.

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