For life science research only.
Not for use in diagnostic procedures.

BM Condimed

Version: 09
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Cell culture medium supplement for cultivation of human amniotic and chorionic villi cells

Cat. No. 10 663 573 001 100 ml

Store product at +2 to +8°C.

1. General Information

1.1. Contents

Vial / Bottle	Label	Function / Description	Content
1	BM Condimed	▪ Physiological solution, buffered with sodium bicarbonate. ▪ Filtered through 0.2 µm pore size membrane.	1 bottle, 100 ml

1.2. Storage and Stability

Storage Conditions (Product)

When stored at +2 to +8°C, the product is stable through the expiration date printed on the label.

Vial / Bottle	Label	Storage
1	BM Condimed	Store at +2 to +8°C. ⚠ ***Keep protected from light.***

1.3. Application

BM Condimed is used as a supplement (10%, v/v) to normal culture medium (basal medium), such as F10, M199, RPMI 1640, or DMEM, containing 10 to 20% fetal calf serum (FCS) for the cultivation of human amniotic and chorionic villi cells. It is also shown to improve culture conditions for bone marrow cells and peripheral blood leukocytes:

- Increased growth rate of cells.
- Increase in size and number of colonies.
- More cells in metaphase.
- Metaphase cells easily recognized.

⚠ ***Do not use as a basal medium or as a replacement for serum.***

2. How to Use this Product

2.1. Before you Begin

General Considerations

pH value

No substantial change in pH should occur after the addition of BM Condimed supplement. For F10 medium, a pH of 7.2 will change to 7.4 with the required amount of BM Condimed supplement. If, however, a greater shift does occur, check the CO_2 content and vessel seal (with CO_2 cultures).

Changing media

The normal cycle of medium exchange should be made with the addition of approximately 10% BM Condimed supplement.

Safety Information

BM Condimed is derived from human leukocytes. The blood from which the human leukocytes are isolated has been tested for the presence of Hepatitis B Surface Antigen (HBsAg) and found to be negative, according to the current quality control procedures. Each unit of blood from which the leukocytes are isolated has also been tested for the presence of HIV-1 antibody and found to be negative. However, in accordance with Good Manufacturing and Laboratory Practices, this product should be handled as if capable of transmitting hepatitis or other infectious agents.

2.2. Protocols

Preparation of cell culture medium supplemented with BM Condimed

Add 10 ml BM Condimed to 90 ml of the normal basal medium F10, M199, Hanks, RPMI 1640, MEM Dulbecco, MEM Earle, Alpha MEM (containing 10 to 20% FCS).

One percent L-glutamine may be added to the mixture.

Do not add antibiotics, as these are already present in BM Condimed supplement, and additional antibiotics will affect the growth of the cells.

3. Additional Information on this Product

3.1. Test Principle

Preparation

BM Condimed supplement is prepared from the supernatant of human leukocyte cultures. It is a complex mixture of growth factors and lymphokines, which has a marked stimulatory effect on the growth and replication of many cells in primary culture. The solution contains 0.3 mg/ml L-glutamine, 50 µg/ml gentamycin, 0.1 mg/ml streptomycin, 100 IU/ml penicillin, 2 µg/ml concanavalin A, and 5.3 µg/ml phenol red, pH 7.6.

3.2. Quality Control

Each lot is assayed for its ability to stimulate the colony growth of WISH cells, a human amnion-derived cell line.

4. Supplementary Information

4.1. Conventions

To make information consistent and easier to read, the following text conventions and symbols are used in this document to highlight important information:

Text convention and symbols	
Information Note: Additional information about the current topic or procedure.	
Important Note: Information critical to the success of the current procedure or use of the product.	
① ② ③ etc.	Stages in a process that usually occur in the order listed.
❶ ❷ ❸ etc.	Steps in a procedure that must be performed in the order listed.
* (Asterisk)	The Asterisk denotes a product available from Roche Diagnostics.

4.2. Changes to previous version

Layout changes.
Editorial changes.
Update of quality control section.

4.3. Trademarks

BM Condimed is a trademark of Roche.
All product names and trademarks are the property of their respective owners.

4.4. License Disclaimer

For patent license limitations for individual products please refer to:
List of biochemical reagent products.

4.5. Regulatory Disclaimer

For life science research only. Not for use in diagnostic procedures.

4.6. Safety Data Sheet

Please follow the instructions in the Safety Data Sheet (SDS).

4.7. Contact and Support

To ask questions, solve problems, suggest enhancements or report new applications, please visit our **Online Technical Support Site**.

To call, write, fax, or email us, visit **sigma-aldrich.com**, and select your home country. Country-specific contact information will be displayed.

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