

PRIME-XV[®] MatrIS F

Catalog #	Product	Size
31001	PRIME-XV MatrIS F	200 µg powder

Intended Use

This product is for research use or further manufacturing use only. This product is not for injection or diagnostic procedures.

Product Description

PRIME-XV MatrIS F is a defined proprietary recombinant human protein matrix designed for consistent culture of human stem/progenitor cells. PRIME-XV MatrIS F can be used as a defined, recombinant coating substrate to support optimal attachment and growth of human stem/ progenitor cells under serum-free condition.

Quality Assurance

All quality control test results are reported on a lot specific Certificate of Analysis which is available at www.irvinesci.com or upon request.

Reconstitution

It is recommended to reconstitute this product at 100µg/ mL in PBS (Irvine Scientific, Catalog # 9236).

Shipping

This product is shipped at ambient temperature. Upon receipt, store it immediately with or without reconstitution at the temperature recommended below.

Storage Instructions and Stability

Upon receipt, store the lyophilized product at or below -20 °C in a manual defrost freezer. Unopened product is stable for 12 months from date of receipt when stored at or below -20 °C in a manual defrost freezer. After reconstitution, PRIME-XV MatrIS F can be aliquoted and stored at or below -20 °C in a manual defrost freezer for up to 3 months, or stored at 2 to 8 °C for up to 1 month. Repeated freeze-thaw cycles should be avoided.

Precautions and Warnings

The safety and efficacy of this product in diagnostic or other clinical uses has not been established. This reagent should not be used beyond the expiration date. Results may vary due to variations among human stem/progenitor cells derived from different donor sources.

Directions for Use

The following protocol is optimized for expansion of human mesenchymal stromal/ stem cells (MSCs) derived from bone marrow in two dimensional culture vessels.

Coating Procedures

Note: To culture MSCs in PRIME-XV MSC Expansion SFM, it is highly recommended to use PRIME-XV Matris F (Irvine Scientific, Catalog # 31001) to coat culture vessels for optimal consistency.

1. Gently add PRIME-XV Matris F in PBS (Irvine Scientific, Catalog # 9236) to a final concentration of 5 μ g/ mL.
2. Add the diluted coating PRIME-XV Matris F solution to culture vessel at a final volume per surface area of 0.08 mL/ cm². Refer to the table for respective culture vessel:

Culture Vessel	Surface Area (cm ²)	Volume of 5 μ g/mL Matris F
6-well plate	9.6	768 μ L per well
T-25 Flask	25	2 mL per flask
T-75 Flask	75	6 mL per flask

3. Incubate culture vessels at room temperature for 3 hours or overnight at 2–8 °C. The culture vessel must be sealed with Parafilm® to avoid drying if stored at 2–8 °C overnight. It is recommended to coat culture vessels the day of use or the day before use.
4. Aspirate out and discard diluted PRIME-XV Matris F solution from culture vessels before the addition of cells.

Related Products

Catalog #	Product	Size
91135	PRIME-XV MSC EXPANSION SFM	250 mL and 1L
91149	PRIME-XV MSC EXPANSION XSFM	250 mL and 1L
31002	PRIME-XV Human Fibronectin	1 mg
91139	PRIME-XV FreezIS	10 mL and 100 mL
91140	PRIME-XV MSC FreezIS DMSO-Free	10 mL and 100 mL

Technical support

CONTACT US

For more information or assistance contact Customer Service at:

- Email: tmrequest@irvinesci.com
- Direct line: +1 800 577 6097

WEBSITE RESOURCES

Visit the website at www.irvinesci.com for technical resources and information including:

- Safety Data Sheets (SDS)
- Certificate of Analysis (CoA) (when available)
- FAQs
- Product literature
- Complete list of offices and contact information by country

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