**Human Feeder Cell Conditioned Media**

**Description**
Human Feeder Cell Conditioned Media was prepared using serum-free media (GlobalStem ES-DMEM™, 20% KSR™, and 4 ng/mL FGF basic) conditioned by primary human feeder cells at 37° C for more than 24 hours.

**Intended Use**
Human Feeder Cell Conditioned Media supports human embryonic stem cell (ESC) growth and maintains ESC pluripotency. It can be used as a substitute for feeder cells in human ESC culture. Conditioned media has been tested for its ability to support Oct-3/4+, SSEA-4+ human BG01V ESC growth in vitro.

**Storage and Stability**
Upon receipt, store the conditioned media at ≤ -20° C in a manual defrost freezer. When ready to use, thaw the solution overnight at 2 - 8° C in the dark. Aliquot and store the unused portions at ≤ -20° C in a manual defrost freezer.

Media is stable for up to 2 weeks at 2 - 8° C. Longer storage at this temperature is not recommended. Avoid repeated freeze-thaw cycles, and do not use beyond the expiration date.

**Mycoplasma Test**
Mycoplasma negative as tested by the MycoProbe™ Mycoplasma Detection Kit (R&D Systems, Catalog # CUL001B).

**Reagent Preparation**
Prepare complete media by adding FGF basic (R&D Systems, Catalog # 233-FB or 4114-TC) into Human Feeder Cell Conditioned Media at a concentration of 4 ng/mL. Complete media can then be used for human ESC culture. For a sample protocol, please visit the website at www.RnDSystems.com/go/humanfeedercell.

**Potentially Biohazardous Material**
Components used in the preparation of this product have been tested and found to be negative or non-reactive for the presence of HIV-1, HIV-2, HTLV I/II, HSV-1, HSV-2, CMV, EBV, HBV, and HCV. Because no test method can offer complete assurance that infectious agents are absent, this material should be handled as if capable of transmitting infection.

GlobalStem ES-DMEM is a trademark of GlobalStem, Rockville, MD.
KSR is a trademark of Invitrogen, Carlsbad, CA.

Developed and manufactured by GlobalStem, Inc.

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