BG01V Human Embryonic Stem Cells

A human ES cell line that is both easy to recover and culture

BG01V human embryonic stem (hES) cells are robust and easy to grow in cell culture. They remain undifferentiated for at least 25 passages. Our fast-growing and pluripotent BG01V hES cells recover better than many human ES cells and are ideal for getting started in human stem cell culturing.

BG01V cells are derived from the wild-type BG01 hES cells and are highly characterized. They are trisomic for chromosomes 12, 17 and XXY.

Colonies of BG01V grown on irradiated or mitomycin C-treated mouse embryonic fibroblasts (MEFs) exhibit a predictable growth rate, and form large, uniform colonies.

Extensively tested yet easily affordable

BG01V human ES cells are prepared under aseptic conditions and each lot must pass a meticulous screening process for bacterial, fungal, mycoplasma and human pathogen contamination. All lots are assayed for markers of the undifferentiated state as well as the ability to differentiate and yield all three germ layers.

The pluripotency of the BG01V line has been demonstrated via teratoma formation [1]. This cell line responds to directed differentiation protocols in a manner similar to normal human ES cell line [2,3].

Colonies of BG01V cells growing on mitotically arrested CF-1 MEF (GSC-6001M). Colony morphology is characteristic of undifferentiated hES cells.
GlobalStem provides services and high-quality standardized tools and reagents for use in stem cell research. Our mission is to advance stem cell discovery by helping research scientists work efficiently and obtain reliable results faster.

Global Stem products are for research use only.

All our products can be customized to meet particular project needs. Please contact us to discuss special arrangements, including volume discounts, special packaging, testing or standing orders.

References


Summary of Global Stem Products & Services

GlobalStem offers a wide range of products and services for pluripotent (ESC and iPSC) and neural cell research:

- Feeder cells - Mouse (MEFs) and Human (NuFFs)
- Stem cell culture media and supplements
- Stem cell reference standards - Flow Cytometry and Gene Expression
- iPSC-derived neural cells
- Stem cells
- Stem cell banking and characterization services
- Pluripotent reagent qualification testing

Your source for stem cell research

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