

iLite® G-CSF

ASSAY READY CELLS

The *iLite*® G-CSF Assay Ready Cells offers a cell-based assay that enables the study and targeting of the G-CSF and its receptor with the advantage of a biologically relevant assay system giving both a functional and quantitative read-out.

Granulocyte-colony stimulating factor (G-CSF) is a glycoprotein that binds to receptor on the surfaces of hematopoietic stem cells, thereby activating intracellular signalling pathways that can cause the cells to proliferate and differentiate into a specific kind of blood cell, usually white blood cells and release them into the bloodstream.

Different types of pharmaceutical G-CSF analogues are used as a therapeutic agent and several biosimilar compounds of traditional G-CSF drugs are in clinical development. The world market for G-CSFs is growing rapidly and a major force is the development of G-CSF biosimilars - due to the expiry of existing patents there is considerable interest from many companies to enter the marketplace.

The *iLite*® G-CSF Assay Ready Cells enable a broad usage throughout this development with applications such as functional screening, functional characterization, QC lot release (potency) assays and neutralizing antibody studies.

- Easy and fast assay format, completed within 6 hours
- Sensitive, functional & biologically relevant assay
- Eliminates serum matrix effects & renders assay results independent of cell number
- Large assay window



iLite® G-CSF Assay Ready Cells

Product code	BM4055
Format	Assay Ready Cells
Related Products	BM4050 <i>iLite</i> ® GM-CSF Assay Ready Cells BM4021 <i>iLite</i> ® VEGF Assay Ready Cells BM3071 <i>iLite</i> ® FGF21 Assay Ready Cells
Application	The <i>iLite</i> ® G-CSF Assay Ready Cells can be used for the quantification of G-CSF activity, or neutralizing antibody response against G-CSF in test samples, including human serum. Application Notes for the following assays are available: <ul style="list-style-type: none"> • Quantification of functional G-CSF • Quantification of G-CSF inhibitor activity
Incubation time	Drug Assay 6 hours
Detection system	Luminescence
Availability	Research Use Only (RUO)*

**These products are intended for professional research use only. The data and results originating from using the products, should not be used either in diagnostic procedures or in human therapeutic applications.*

In accepting delivery of iLite® Assay Ready Cells the recipient agrees not to sub-culture these cells, attempt to sub-culture them or to give them to a third party, and recipient is only to use them directly in assays. The iLite® cell-based products are covered by patents which are the property of Svar Life Science AB and any attempt to reproduce the delivered iLite® Assay Ready Cells would constitute an infringement.

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