

iLite[®] IL-2

ASSAY READY CELLS

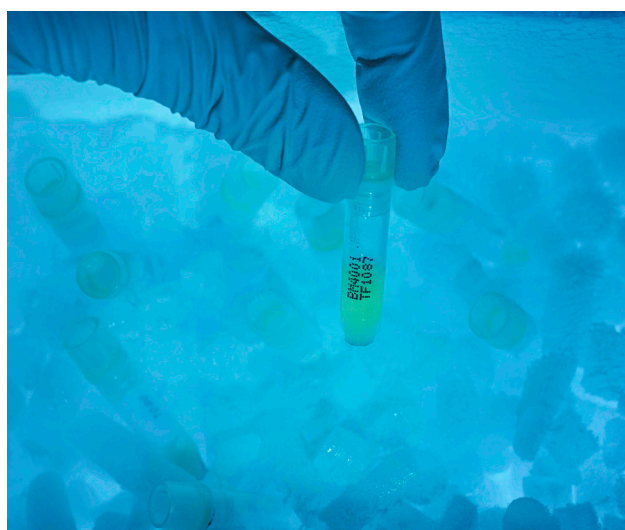
iLite IL-2 Assay Ready Cells are genetically engineered reporter gene cell line, optimized to respond to IL-2 with proportional expression of Firefly Luciferase.

IL-2 is an interleukin and signals through the IL-2 receptor, a complex consisting of three chains, termed alpha, beta and gamma. It was originally described as a 'T-cell growth factor (TCGF)' because it acted as a potent stimulator of T-cell proliferation, differentiation and cytolytic activity. It is produced exclusively by T lymphocytes.

IL-2 plays a role in promoting T-cell tolerance and may be of clinical benefit in autoimmunity, organ transplantation and human immunodeficiency virus (HIV) infection. Due to this IL-2 has been extensively studied, both as a potential mean to directly boost immunity or to act as a target to antagonize unwanted responses.

The *iLite* IL-2 Assay Ready Cells are a genetically engineered reporter gene cell line responsive to IL-2 by proportional expression of Firefly Luciferase. Normalization of cell counts, and serum matrix effects is obtained by a second reporter gene, a Renilla Luciferase reporter gene construct, under the control of a constitutive promoter. *iLite* IL-2 Assay Ready Cells allows testing for specific IL-2 activity and screening for unwanted inhibitory activity of IL-2.

- 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*[®] IL-2 Assay Ready Cells**

Product code	BM4002
Format	Assay Ready Cells
Related Products	BM4061 <i>iLite</i> [®] IL-6 Assay Ready Cells BM4012 <i>iLite</i> [®] IL-12 Assay Ready Cells BM4023 <i>iLite</i> [®] IL-23 Assay Ready Cells
Application	The <i>iLite</i> [®] IL-2 Assay Ready Cells can be used for the quantification of IL-2 activity, or neutralizing antibody response against IL-2 in test samples, including human serum. <ul style="list-style-type: none"> • Quantification of functional IL-2 • Quantification of IL-2 inhibitor activity
Incubation time	Drug Assays 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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