

iLite[®] VEGF

ASSAY READY CELLS

iLite VEGF Assay Ready Cells have been genetically engineered to specifically measure the activity of VEGF, the potency of VEGF inhibitors, and can also be used to detect neutralizing antibodies against inhibitor drugs in human serum.

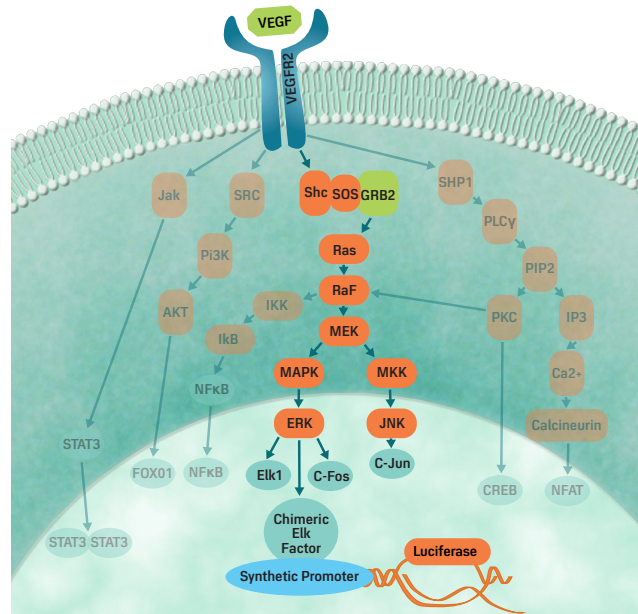
The signaling protein Vascular Endothelial Growth Factor (VEGF) is a major contributor to angiogenesis in both* health and disease. Since angiogenesis is required for tumour growth and metastasis, drugs targeting VEGF have been increasingly employed in a vast number of cancer therapies. In recent years, anti-VEGF therapies have also expanded into the area of ophthalmology, with several anti-VEGF drugs approved for retinal diseases.

The *iLite* VEGF Assay Ready Cells have been genetically engineered to specifically detect VEGF activity, and can be used to measure the potency of VEGF inhibitor drugs, as well as neutralizing antibodies against such drugs in human serum. The *iLite* VEGF Assay Ready Cells measures the functional activity of VEGF and is not dependent on the structure of the drug, therefore, different anti-VEGF drugs can be measured in the same assay. As such, *iLite* VEGF Assay Ready Cells are well suited for direct comparisons of biosimilars and innovator drugs in the same assay, making them an excellent tool for biosimilar development.

* normal vascular growth and pathological scenarios

By use of genome editing, only the relevant signaling pathway is activated by VEGF binding, leading to very high specificity.

- Highly sensitive
- Allows anti-VEGF activity to be quantified rapidly and in a highly specific manner
- Allows direct comparison between biosimilar and innovator drugs in the same assay



iLite[®] VEGF Assay Ready Cells	
Product code	BM4021
Format	Assay Ready Cells
Related Products	BM4050 <i>iLite[®]</i> GM-CSF Assay Ready Cells BM3071 <i>iLite[®]</i> FGF21 Assay Ready Cells
Application	The <i>iLite</i> VEGF Assay Ready Cells can be used for the quantification of VEGF activity, VEGF inhibitor activity and for determination of neutralizing antibodies against VEGF inhibitors in human serum. Application notes for the following assays are available: <ul style="list-style-type: none"> • Quantification of functional VEGF using <i>iLite</i> VEGF Assay Ready Cells • Quantification of VEGF inhibitor activity using <i>iLite</i> VEGF Assay Ready Cells • Determination of neutralizing antibodies against VEGF inhibitors using <i>iLite</i> VEGF Assay Ready Cells
Incubation time	18 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.