

***iLite™* Diluent B**

(REF: BM3134)

- Description** *iLite™* Diluent B can be used in *iLite™* anti-TNF-alpha bioassays.
- Content** 20 mL of *iLite™* Diluent B containing RPMI 1640.
- Receipt and storage** Upon receipt confirm that adequate dry-ice is present and the reagent is frozen. Immediately transfer to -80°C storage.
- Background** Tumor necrosis factor alpha (TNF-alpha) promotes inflammatory responses, which, in turn, contribute to the clinical problems associated with many inflammatory disorders, including rheumatoid arthritis, ankylosing spondylitis, Crohn's disease, psoriasis and refractory asthma. These diseases are sometimes treated with TNF-alpha inhibitors, including infliximab, adalimumab, etanercept, certolizumab pegol or golimumab. Prolonged therapies with these TNF-alpha inhibitors may lead to development of neutralizing antibodies (NABs), which may counteract the TNF-alpha antagonist activity of the drugs.
- Application** The *iLite™* Diluent B may be used in both the anti-TNF-alpha drug concentration assay and in the anti-TNF-alpha NAb assay. It should be used for the first dilution step of test samples (Diluent A / Diluent C is used for the consecutive steps) and for the dilution of *iLite™* TNF-alpha Assay Ready Cells.
- Application Notes for the following assays are available:
- Quantification of TNF-alpha blockers using *iLite™* TNF-alpha Assay Ready Cells (E-173-GB)
 - Determination of neutralizing antibodies against TNF-alpha blockers using *iLite™* TNF-alpha Assay Ready Cells (E-174-GB)

Related products

REF	Product name
BM3044	<i>iLite™</i> TNF-alpha Assay Ready Cells
BM3132	<i>iLite™</i> Diluent A
BM3133	<i>iLite™</i> TNF-alpha (16 ng/mL)
BM3136	<i>iLite™</i> Infliximab NAb positive control
BM3139	<i>iLite™</i> Diluent C
BM3159	<i>iLite™</i> Adalimumab NAb positive control
BM3177	<i>iLite™</i> Etanercept NAb positive control



References (using this product) Lallemand C, Kavrochorianou A, Steenholdt C, Bendtzen K, Ainsworth MA, Meritet J-F, Blanchard B, Lebon P, Taylor P, Charles P, Alzabin S, Tovey MG. Reporter gene assay for the quantification of the activity and neutralizing antibody response to TNF-alpha antagonists. J Immunol Meth. 2011, 373: 229-239.

Symbols on label

	Lot number		Temperature limitation
	Catalogue number		Biohazard
	Use by		Manufacturer

Precautions

- For research use only. This product is intended for professional laboratory research use only. The data and results originating from using the product should not be used either in diagnostic procedures or in human therapeutic applications.
- Residues of chemicals and preparations are generally considered as biohazardous waste, and should be inactivated prior to disposal by autoclaving or using bleach. All such materials should be disposed of in accordance with established safety procedures.

Propriety information

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 only to use them directly in assays. Biomonitor *iLite™* cell-based products are covered by patents which are the property of Euro Diagnostica AB and any attempt to reproduce the delivered *iLite™* Assay Ready Cells is an infringement of these patents.