

Xuri™ IL-21

Instructions for Use

Catalogue number: 29112119

Description: Lyophilized human recombinant Interleukin-21, source from *Escherichia coli*.

Lyophilized from a 0.2 µm sterile filtered 0.076 µM sodium dodecyl sulfate (SDS) solution containing 226.70 mM mannitol, 13.77 mM trisodium citrate and 6.24 mM citric acid anhydrous.

Warning

Meets USP <1043>. For further manufacturing only. Single use only.

This product meets USP<1043> 'ancillary materials for cell, gene, and tissue-engineered products', within the responsibilities applicable to a supplier. GE cannot fulfil USP <1043> in regards of application and therapy specific aspects (e.g. use in finished therapeutic, assessment of removal from a finished therapeutic and possibly biocompatibility, cytotoxicity or adventitious agent testing).

Intended for ex vivo applications.

This product is not suitable for "direct" animal or human diagnostic or therapeutic applications as the product supplied is neither an *in vitro* diagnostic nor medicinal product. Customers using the product in a formulation or cell culture procedure, can use the material under the "For Further Manufacturing" claim of the intended use statement.

Storage and Stability

Upon receipt, store the product at 2 to 8°C. Protect from light. Please contact your GE representative for batch specific stability information.

Date of Manufacture

See product vial label and Certificate of Analysis for product specific information.

Safety warnings and precautions

All chemicals should be considered as potentially hazardous. We therefore recommend that this product is handled only by those persons who have been trained in laboratory techniques and that it is used in accordance with the principles of good laboratory practice. Wear suitable protective clothing such as laboratory overalls, safety glasses and gloves. Care should be taken to avoid contact with skin or eyes. In the case of contact with skin or eyes wash immediately with water. See material safety data sheet(s) (MSDS) and/or safety statement(s) for specific advice. For MSDS, please go to www.gelifesciences.com/certificates



WARNING

We recommend extra caution as sharp items may cause injury if removal of the aluminium seal is required.

Component

1 Vial of Xuri IL-21, 40 µg (Cat # 29112119)

Additional reagents and equipment required

- Sterile Water for Injection (WFI)
- Phosphate Buffered Saline (PBS)
- Human Serum Albumin (HSA)
- Micropipettes

Reconstitution

Reconstitute with an appropriate volume of sterile WFI to a concentration of 1 mg/ml.



WARNING

Care should be taken to prevent potential contamination from environment if complete removal of the vial aluminium seal is required.

The product can be further diluted in PBS containing 0.1% HSA to the desired stock concentration (in MU/ml or mg/ml as shown in the formulas below).



WARNING

This product is animal component free and does not contain carrier proteins. To maximize the biological activity of the product, addition of carrier proteins (e.g. 0.1% HSA) to the PBS for further dilution is recommended. Failure to further dilute product in PBS with carrier proteins may result in loss of activity.

The additional volume of PBS containing 0.1% HSA required to reconstitute into this stock concentration can be calculated with respect to the mass or the given product specific activity using the following formulas. The product specific activity information is available on the product vial label or the Certificate of Analysis of the product. For Certificate of Analysis, please go to www.gelifesciences.com/certificates

Additional volume (in ml) of PBS containing 0.1% HSA to a stock concentration in MU/ml

$$40 \mu\text{g IL-21 (Cat \# 29112119): } \left(\frac{0.04 \times \text{Product Specific Activity}}{\text{Stock Concentration}} \right) - 0.04$$

Additional volume (in ml) of PBS containing 0.1% HSA to a stock concentration in mg/ml

$$40 \mu\text{g Xuri IL-21 (Cat\#29112119): } \left(\frac{0.04}{\text{Stock Concentration}} \right) - 0.04$$

Related Products

Product	Cat No.
Xuri Cell Expansion System W5	29036837
Xuri Cell Expansion System W25	29064568
Xuri IL-2 (10 µg size)	29062787
Xuri IL-2 (1 mg size)	29062788
Xuri IL-15 (40 µg size)	29112116



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