

LVES (50X) Large Vessel Endothelial Supplement

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Description

LVES (50X) Large Vessel Endothelial Supplement is a sterile, concentrated supplement intended for use in conjunction with Medium 200 and Medium 200PRF for primary isolation and routine culture of normal human large vessel endothelial cells. Large vessel endothelial cells cultured in LVES-supplemented Medium 200 show increased growth rates throughout their lifespan and exhibit improved performance in angiogenesis assays compared to LSGS-supplemented media.

The ionically-balanced LVES supplement contains fetal bovine serum, hydrocortisone, human epidermal growth factor, basic fibroblast growth factor, heparin, and ascorbic acid. Each 11 mL bottle of LVES provides the optimum amount of supplement for one 500 mL bottle of basal Medium 200 (Cat. no. M-200-500) or Medium 200PRF (Cat. no. M-200PRF-500).

Product	Catalog no.	Amount
LVES (50X) Large Vessel Endothelial Supplement	A14608-01	11 mL

Product Use

For research use only. CAUTION: Not intended for human or animal diagnostic or therapeutic uses.

Storage

-5°C to -20°C, in a non-frost free freezer. Avoid multiple freeze/thaw cycles.

Note: After long term storage at -5°C to -20°C, LVES (50X) Large Vessel Endothelial Supplement may contain a small amount of precipitate. This precipitate is formed from cold-insoluble material in the serum component of the LVES and will not affect the performance of the product.

Shelf Life

When stored as directed, the product is stable until the expiration date shown on the label.

Thawing

Thaw LVES (50X) Large Vessel Endothelial Supplement at 2°C to 8°C overnight or place it in a 37°C water bath.

Preparing LVES-supplemented Medium

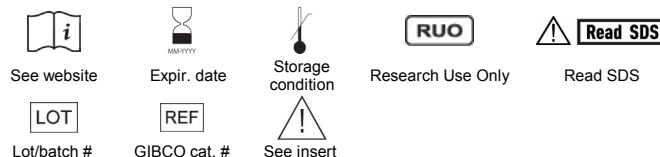
1. Thaw LVES at 2°C to 8°C overnight or place it in a 37°C water bath. If thawing in a water bath, do not leave LVES at 37°C after the product has thawed.
2. Transfer the thawed supplement and one 500-mL bottle of Medium 200 or Medium 200PRF to a laminar flow cell culture hood, and wipe the outside of the containers with a disinfecting solution (e.g., 70% ethanol).
3. Gently swirl the bottle of LVES to mix (avoid causing the supplement to foam) and transfer its entire contents to the bottle of medium using aseptic technique.
4. Tightly cap the bottle of LVES-supplemented medium and swirl it to ensure a homogeneous solution. Avoid causing the medium to foam.
5. Store the LVES-supplemented medium at 2°C to 8°C in the dark. Do **not** freeze. When stored as directed, supplemented medium is stable for at least 30 days.

Documentation and Support

For additional product and technical information, such as Safety Data Sheets (SDS), Certificates of Analysis, etc., visit our website at www.lifetechnologies.com/gibco. For further assistance, email our Technical Support team at techsupport@lifetech.com.

Explanation of Symbols and Warnings

The symbols present on the product label are explained below:



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