

# TECHNICAL DATA SHEET

ELAREM™ Perform-FD PLUS

## ORDERING INFORMATION

PRODUCT	APPLICATION	SIZE	HEPARIN REQUIRED	STORAGE	SHELF LIFE*	ORDER NUMBER
ELAREM™ Perform-FD PLUS	Research Grade	50 mL	No	-40°C to -20°C	2 years	PE30611
ELAREM™ Perform-FD PLUS	Research Grade	100 mL	No	-40°C to -20°C	2 years	PE30811
ELAREM™ Perform-FD PLUS	Research Grade	500 mL	No	-40°C to -20°C	2 years	PE31011

\* Shelf life duration is determined from date of manufacture, continuously stored frozen in original bottle.

## PRODUCT DESCRIPTION

ELAREM™ Perform-FD PLUS is a fibrinogen-depleted and heparin-free Human Platelet Lysate of EU origin. As a xeno-free and easy-to-use cell culture supplement, ELAREM™ Perform-FD PLUS supports the efficient and safe *in vitro* expansion of various primary cells and cell lines.

Due to a unique fibrinogen-depletion technique, ELAREM™ Perform-FD PLUS is a clot-free and heparin-free Human Platelet Lysate. The product neither requires the addition of anticoagulants (e.g. heparin) in cell culture nor during manufacturing. That makes ELAREM™ Perform-FD PLUS a ready-to-use Human Platelet Lysate that is widely applicable, since the absence of heparin offers even more convenient cell growth conditions.

## INTENDED USE

ELAREM™ Perform-FD PLUS - Research Grade is for Research Use Only (RUO). The product is not intended for any animal, human or therapeutic use.

For safety precautions, please see appropriate Safety Data Sheet (SDS).

## PREPARATION OF CELL CULTURE MEDIUM

1. Thaw ELAREM™ Perform-FD PLUS in a 37°C water bath until completely thawed.

If suitable equipment is not available, ELAREM™ Perform-FD PLUS can be thawed at room temperature.

2. Particles or turbidity may appear in thawed ELAREM™ Perform-FD PLUS, but do not affect cell culture performance. If particles are disturbing, we recommend centrifugation of pure ELAREM™ Perform-FD PLUS at 3.400 x g for 3-5 minutes.
3. Prepare complete cell culture medium by adding ELAREM™ Perform-FD PLUS to basal medium (e.g. MEM a, DMEM). Preparation of complete cell culture medium should be performed following the general guidelines for the specific cell types.

ELAREM™ Perform-FD PLUS is heparin-free and does not require the addition of heparin.

*Please note: Final concentration of ELAREM™ Perform-FD PLUS in cell culture medium can vary depending on cell type and experimental conditions. It is recommended to determine the optimal concentration – between 1% and 10% (v/v) – for the cells of interest.*

4. Complete cell culture medium can be stored at 4°C and is stable for up to 7 days.

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## STORAGE AND STABILITY

ELAREM™ Perform-FD PLUS is stable until the expiry date stated on the label. ELAREM™ Perform-FD PLUS is most stable when stored frozen at -40°C to -20°C until use.

Upon thawing, it is recommended to aliquot and refreeze samples of unused ELAREM™ Perform-FD PLUS. Repeated freeze-thaw cycles of ELAREM™ Perform-FD PLUS should be avoided.

Once thawed, ELAREM™ Perform-FD PLUS can be stored at 4°C up to 7 days.

## STERILITY

ELAREM™ Perform-FD PLUS is aseptically processed. Microbial cultures are tested negative.

Quality control testing is carried out in a certified test laboratory.

## SAFETY INFORMATION

Follow the handling instructions outlined in the Safety Data Sheet (SDS). Wear appropriate protective eyewear, clothing and gloves.

ELAREM™ Perform-FD PLUS is manufactured from platelet units obtained from healthy donors following European guidelines.

Certificate of Analysis (CoA) is available on request.

*Note: Despite all testing, proper safety precautions for potentially infectious agents must be taken. All human blood products should be handled in accordance with currently acceptable biosafety practices and*

*guidelines for the prevention of blood borne viral infections.*

**RESEARCH USE ONLY (RUO) – NOT FOR ANY ANIMAL, HUMAN OR THERAPEUTIC USE**

## TECHNICAL SUPPORT

If you have any product-related questions, please feel free to contact us by phone at **+49 241 957 19-100** or by e-mail at [info@pl-bioscience.com](mailto:info@pl-bioscience.com).



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