

PRODUCT DATA SHEET

ELAREM™ Ultimate-FD PLUS

**PATENTED
PROCESS**



ELAREM™ Ultimate-FD PLUS

GMP Grade

- + GAMMA IRRADIATED FOR ADDITIONAL SAFETY**
- + GMP GRADE HPL FOR CELL MANUFACTURING**
- + CONSISTENT CELL CULTURE PERFORMANCE**
- + ENHANCED TRACEABILITY**

ELAREM™ Ultimate-FD PLUS is a gamma irradiated, fibrinogen-depleted and heparin-free Human Platelet Lysate of EU origin.

The xeno-free cell culture supplement is especially suited for cell manufacturing applications requiring proven viral reduction for potential use in clinical trials.

ELAREM™ Ultimate-FD PLUS is manufactured, tested and released in compliance with the relevant GMP guidelines. The manufacturing process for the product is **patented**.

By ensuring an EU-based raw material supply chain, we provide a **traceability over 30 years** back to blood component.

PRODUCT DATA SHEET

ELAREM™ Ultimate-FD PLUS

PRODUCT	APPLICATION	SIZE	HEPARIN REQUIRED	STORAGE	SHELF LIFE*	ORDER NUMBER
ELAREM™ Ultimate-FD PLUS	GMP Grade	50 mL	No	-40°C to -20°C	1 year	UL30621
ELAREM™ Ultimate-FD PLUS	GMP Grade	500 mL	No	-40°C to -20°C	1 year	UL31021

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

BACKGROUND

As a xeno-free cell culture supplement, ELAREM™ Ultimate-FD PLUS supports the efficient and safe *in vitro* expansion of various primary cells and cell lines.

ELAREM™ Ultimate-FD PLUS is manufactured, tested and released in compliance with the relevant GMP guidelines. The manufacturing process for the product is patented.

While all ELAREM™ Human Platelet Lysates are manufactured from screened platelet units, ELAREM™ Ultimate-FD PLUS ensures additional safety through a validated gamma irradiation process. By conducting a viral clearance study, we demonstrated viral reduction for the tested viruses while preserving cell culture performance. As a final manufacturing step, the product undergoes gamma irradiation at a dose range of 38-55 kGy.

INTENDED USE

ELAREM™ Ultimate-FD PLUS - GMP Grade is for manufacturing use only. The product is not intended for any animal, human or therapeutic use.

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

STERILITY

ELAREM™ Ultimate-FD PLUS is aseptically processed. Microbial cultures tested negative. Quality control testing is carried out in a certified test laboratory.

TRACEABILITY AND PRECAUTIONS

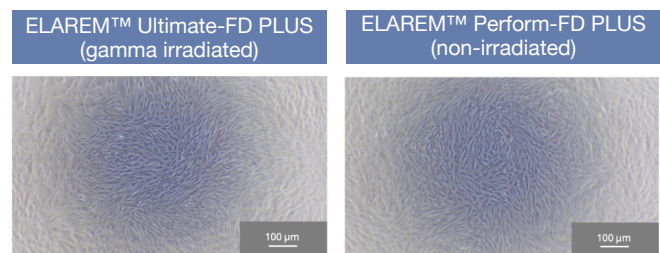
ELAREM™ Ultimate-FD PLUS is manufactured from platelet units obtained from healthy donors following European guidelines.

PRODUCT SUPPORT

If you have any questions, please feel free to contact us by phone at +49 241 957 19-100 or by e-mail at info@pl-bioscience.com.

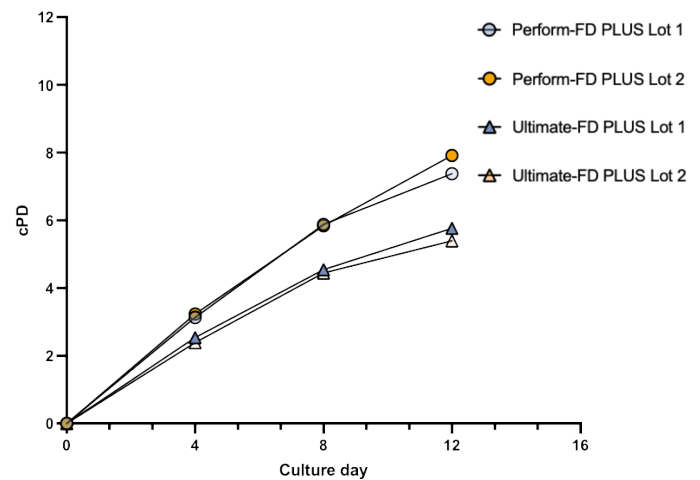
PRODUCT DATA

Morphology of hASCs cultured in irradiated vs. non-irradiated Human Platelet Lysate (10% v/v)



QC data show preserved cell density and viability after gamma irradiation of Human Platelet Lysate.

Cumulative Population Doublings (cPD) of hASCs in irradiated vs. non-irradiated Human Platelet Lysate (10% v/v)



Long-term culture results show sustained cell proliferation with irradiated Human Platelet Lysate.

SEND US YOUR REQUEST

www.pl-bioscience.com/contact

