Technical Data Sheet

Human Platelet Lysate (EU) fibrinogen-depleted, premium quality

for cell biology

Order number: **2515**

Available package sizes:

2515ML050	50 ml
2515ML100	100 ml
2515ML500	500 ml

Introduction

Human Platelet Lysate is a superior, xeno-free alternative to serum-supplementation (such as FBS or human serum). It is a growth factor rich supplement for cell culture media and strongly supports the *in-vitro* expansion and maintenance of various primary cells and cell lines.

Human Platelet Lysate (EU) fibrinogen-depleted, premium quality for cell biology is a ready-to use cell culture supplement manufactured from EU-origin human platelet units, which ensures a long raw material traceability period of 30 years. It is a fibrinogen-depleted and heparin-free human platelet lysate.

Due to a new fibrinogen-depletion technique, *Human Platelet Lysate (EU) fibrinogen-depleted, premium quality for cell biology* is **clot-free** (the product does not require the addition of anticoagulants such as heparin) and completely **heparin-free**. Since the absence of heparin offers even more convenient cell growth conditions, *Human Platelet Lysate (EU) fibrinogen-depleted, premium quality for cell biology* is widely applicable. Application workflows are simplified, and negative effects caused by heparin (and even traces) are eliminated.

Each batch of this *Human Platelet Lysate (EU) fibrinogen-depleted, premium quality for cell biology* is produced from large pools of platelet units to ensure batch-to-batch consistency and enable reproducible conditions. *Human Platelet Lysate (EU) fibrinogen-depleted, premium quality for cell biology* is of EU origin and obtained from healthy donors following European guidelines.

Human Platelet Lysate (EU) fibrinogen-depleted, premium quality for cell biology is aseptically processed. Microbial cultures are tested negative. Quality control testing is carried out in a certified test laboratory[1].

[1]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.

neoFroxx GmbH
Marie-Curie-Str. 3
D-64683 Einhausen

www.neofroxx.com
Phone +49 (6251) 989 24-0
info@neofroxx.com

***Human Platelet Lysate (EU) fibrinogen-depleted, premium quality for cell biology* is intended for in vitro and manufacturing use only. The product is not intended for direct therapeutic use.**

Features

- Human-derived product; 100% xeno-free
- No animal-related risks; no ethic concerns
- Improved cell performance
- No Heparin-addition required
- Stable price

Storage and Shelf life

Human Platelet Lysate (EU) fibrinogen-depleted, premium quality for cell biology is stable for at least 24 months at -20°C. Upon thawing, it is recommended to re-freeze aliquots of the remaining *Human Platelet Lysate*. Repeated freeze-thaw cycles of *Human Platelet Lysate* should be avoided and can cause an increase of insoluble particle formation.

Human Platelet Lysate can be stored at 4°C for 7-10 days.

Instruction for use

- Thaw *Human Platelet Lysate*. We recommend to thaw overnight at 4°C or for 1 hour in a 37°C water bath.
- **Insoluble particles** or powdery precipitations may form in thawed *Human Platelet Lysate* but **do not affect cell culture performance**. If insoluble particles are disturbing, we recommend to remove particles by centrifugation of pure *Human Platelet Lysate* at 3.400 x g for 3-5 minutes.
- The medium concentration of *Human Platelet Lysate* strongly depends on cell type and experimental conditions. Therefore, we recommend to test different final concentrations when you switch from FBS to *Human Platelet Lysate:* Prepare your cell culture medium by adding 1 % - 10 % (v/v) *Human Platelet Lysate* to the basal medium (e.g. MEM α, DMEM). Add other supplements that are required for your final media formulation, such as 2 mM L-glutamine and – if indicated - 100 U/mL PenStrep.
- Start your experiment.
- Readily prepared cell culture medium can be stored at 4°C and is stable for approximately one month.

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