

Product Name

Name: VivaPL™ Human Platelet Lysate, Heparin Free (Research Grade)

Cat. No.: C8010-0010, C8010-0100, C8010-0500

Size: 10 mL, 100 mL, 500 mL

Product Description

Human platelet lysate originates from platelet-rich plasma and contains many different cell growth factors, cytokines, and proteins required for *in vitro* cell proliferation. Human platelet lysate is a highly effective cell culture supplement to support the growth of human cells such as mesenchymal stem cells. The use of fetal calf serum to culture mesenchymal stem cells has potential risks in clinical applications and may increase the complexity of the subsequent treatment process. Human platelet lysate can be used as a high-efficiency protein supplement for human cell proliferation culture. **VivaPL™ Human Platelet Lysate** has no animal source and is a replacement for fetal calf serum. Fibrinogen has been removed from **VivaPL™ Human Platelet Lysate (Cat. No.: C8010)** while preserving growth factors and proteins. Innovative extraction technology and strictly monitored healthy blood sources ensure batch stability. No additional anticoagulant (heparin) is required for use.

Applications

It is suitable for primary cells, stem cells (such as mesenchymal stem cells, embryonic stem cells, pluripotent stem cells), refractory cells, and various cells in serum-free cultures, etc.

Procedure

1. Thaw VivaPL™ Human Platelet Lysate in a 37°C water bath until completely thawed, and avoid exposure to strong light during melting.
2. NutriStem® MSC Basal Medium (Product No. 05-200-1A) + MSC supplement (Product No. 05-201-1U) with 2% VivaPL™, or 5% VivaPL™ with α-MEM (Product No. C3060-0500) or NutriStem® MSC basal medium (Product No. 05-200-1A) cultured cells.
3. If you cannot use VivaPL™ Human Platelet Lysate up at one time, aliquot it in small volumes and freeze them at -20°C.

Quality Control

VivaPL™ Human Platelet Lysate is aseptically processed. Microbial cultures are tested negative. Quality control testing is carried out in a certified testing laboratory.


Storage and Stability

The product should be kept at **-20 to -10°C** and should not be left in the light. Use before the expiry date. After opening, store at 4°C, avoid repeated freezing and thawing, and exposure to light. Use up the thawed product within 1 week.

Shelf life: 24 months.

Manufacturer

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Shanghai Dr. Cell Co., Ltd.

Issue Date

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Precaution and Disclaimer

VivaPL™ Human Platelet Lysate (**Research Grade**) is for Research Use Only (RUO). The product is not intended for any animal, human, or therapeutic use. For safety precautions, please check the appropriate Safety Data Sheet (SDS).

