

Product Information

Bovine Platelet Lysate

US Origin, sterile-filtered

Suitable for cell culture

Synonyms: Bovine Platelet Lysate, bPL

Product Description

Bovine plasma is commonly used to supplement basal media formulations for the optimal growth of many cell types *in vitro*.

Our product is a bovine-based platelet lysate. It is a rich source of animal protein and growth factors for supplementation of cell culture. PLenty is highly effective in promoting and sustaining the growth of mammalian cell types as well as many others.

Raw Plasma Processing

Bovine plasma is collected from the live cattle in our herd using a minimally invasive method. Cattle healthcare is provided by the supervision of a veterinary practitioner and a team of veterinary technicians. The veterinary team ensures highly efficient, reproducible collections of the product as well as maintains a high standard of animal welfare. The bovine plasma is collected and further processed into Plenty.

Filtration and Packaging

Raw PRP is processed through a series of filters. The product is then packaged in sterilized plastic bottles and sealed with a tamper indicator. Bottles are frozen at -10C to -40C

Storage

Store at -80°C upon receipt. For optimal performance, use prior to the expiration date on the label. Multiple freeze/thaw cycles can result in a decrease in performance.



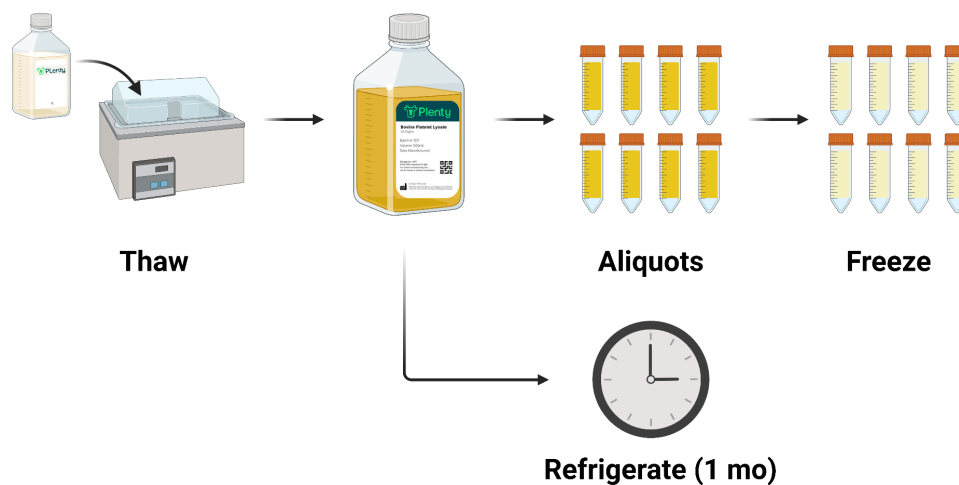
Traceability

The material used in this product is collected and processed in the United States. The plasma product is not collected from cattle born, raised, shipped through, or slaughtered in countries where Bovine Spongiform Encephalopathy (BSE) is known to exist. The collections are performed from animals that are under strict USDA animal welfare protocols and preventative actions free of infectious agents. A certificate of analysis indicating the country of origin is available for each lot of bPL.

Preparation Instructions

1. Thaw Plenty in a water bath set to 37°C.
2. Once fully thawed, the product can be divided into smaller sterile containers and stored at -80°C for frozen or refrigerated at 2°C-8°C if the anticipated usage is within one month.
NOTE: It is recommended to immediately refreeze aliquots at -80°C for future use.
3. Add Plenty to the cell culture medium to reach the final desired concentration. 10% (v/v) concentration in desired media has shown a similar growth rate to Fetal Bovine Serum (FBS) media prepared with the concentration mentioned above. It is recommended to optimize the concentration for each cell line used

Figure 1. Preparation Instructions



Product Characteristics

Aerobic Plate Count

Passed, <10 CFU/g (AOAC 966.23)

Mold

Passed, <10 CFU/g (FDA-BAM. 7th Ed., Ch. 18)

Yeast

Passed, <10 CFU/g (FDA-BAM. 7th Ed., Ch.18)

Mycoplasma

Not detected

Sterility

Negative for growth

Total protein

4.5 – 7 g/dL

pH

6.8 – 8.1

Osmolality

260 – 330 mOsm/kg

Cell Growth

Pass