



Bovine/Calf Buffy Coat Preparation

Product Information

Catalog

BC-006B

ProductName

Bovine/Calf Buffy Coat Preparation

Short Name

Buffy Coat(Bovine)

similar

Buffy Coat

Species

Bovine

Product Overview

Bovine/Calf Buffy Coat Preparation

Description

Blood is a complex mixture of cells, proteins, metabolites and many other substances. About 56% of human blood volume is comprised of cells, more than 99% of which are erythrocytes. Human erythrocytes and thrombocytes (platelets, 0.5% blood components) do not contain nuclei. Leukocytes (0.3% of blood components), also referred to as peripheral blood mononuclear leukocytes or PBMC, do contain nuclei. Blood samples may vary widely in leukocyte (granulocytes, lymphocytes and monocytes) concentration depending on the health of the donor. Healthy blood contains less than 10E7 leukocytes per ml, while blood from an infected donor may have ten fold higher leukocyte concentrations. Buffy coat preparations are useful for researchers interested in immunology and infectious disease research.

Purity

Buffy coat preparations are composed of leukocytes, trace amounts of red blood cells and

Bovine/Calf Buffy Coat Preparation

other components. Buffy coat preparations are separated after a single low-speed centrifugation to remove the platelet rich plasma, buffy coat layer and erythrocytes (RBC). If desired, you may further purify this preparation of leukocytes by sedimentation using gradient centrifugation.

Applications

Applications Notes: Buffy coat preparations are suitable for use as a source of nucleated PBMC. Buffy coat preparations are separated after a single low-speed centrifugation to remove the platelet rich plasma, buffy coat layer and erythrocytes (RBC). Buffy coat preparations are generally enriched for leukocytes (WBC) and contain trace amounts of red cells and other blood components. If desired, you may further purify this preparation of leukocytes by sedimentation using gradient centrifugation. This product is prepared in a buffer composed of 20.5 mg/mL Dextrose, 4.2 mg/mL Sodium Chloride, 8.0 mg/mL Citric Acid Tri-sodium, adjusted to pH 6.1.

Storage

Store vial at -70 centigrade or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.

Shipping

Dry Ice

Synonyms

Bovine/Calf Buffy Coat Preparation; Bovine Buffy Coat Preparation; Calf Buffy Coat Preparation

Physical State

Frozen Cell Pellet

Sterility

Non-sterile

Preservative



CREATIVE BIOMART®

Diagnostic Proteins

Bovine/Calf Buffy Coat Preparation

None

Stabilizer

None

Expiration

Expiration date is one (1) year from date of receipt.
