

Diseased Human Plasma, Diabetes, Type II

Primary human plasma, frozen

Catalog #200-0850

1 mL

Product Description

Type 2 diabetes (T2D) is a chronic metabolic disease characterized by persistently high blood glucose levels (hyperglycemia). In T2D patients, the pancreas does not produce enough insulin and cells respond poorly to insulin and take in less sugar, which results in excessive glucose circulating in the bloodstream. Samples from donors with T2D may be used to study the efficacy of different treatments.

Primary human plasma has been isolated from peripheral blood (PB) using centrifugation. Plasma was obtained using Institutional Review Board (IRB)-approved consent forms and protocols.

Donor Status: Diseased - Autoimmune & Inflammatory

Characterization Criteria: Age, Cell Count, Diagnosis Date, Donor Viral Testing, Ethnicity, Height, Other Information, Smoking Status, Viability

Product Format: Plasma is frozen with no cryopreservation medium.

Anticoagulant: Acid-citrate-dextrose solution A (ACDA)

For donor details, refer to the lot-specific Certificate of Analysis.

Stability and Storage

Product stable at -80°C for 12 months from date of receipt. Thawed samples may be stored at 2 - 8°C for up to 5 days.

Precautions

Donor Screening: Donors are screened for HIV-1, HIV-2, hepatitis B, and hepatitis C.

Cryopreserved products are shipped with negative test results from donor screening that is performed within 90 days of collection.

Donors have been tested and found to be negative for HIV-1 and 2, hepatitis B, and hepatitis C prior to donation. As testing cannot completely guarantee that the donor was virus-free, THIS PRODUCT SHOULD BE TREATED AS POTENTIALLY INFECTIOUS and only used following appropriate handling precautions such as those described in biological safety level 2. When handling this product, do not use sharps such as needles and syringes.

STEMCELL cannot guarantee the biological function or any other properties associated with performance of plasma in a researcher's individual assay or culture systems.

FOR IN VITRO RESEARCH USE ONLY. NOT APPROVED FOR DIAGNOSTIC, THERAPEUTIC, OR CLINICAL APPLICATIONS.

NOT APPROVED FOR HUMAN OR VETERINARY USE IN VIVO.

Directions for Use

1. Thaw in a 37°C water bath. Alternatively, plasma can be thawed at 2 - 8°C overnight.
2. Wipe the outside of the plasma container with 70% ethanol or isopropanol.
3. Plasma is now ready for use in downstream applications.

PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED.

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