

BIOLOGICAL PRODUCTS

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Sterile defibrinated Horse and Sheep blood

PRODUCT

Defibrinated blood

Blood from healthy sheep or horses is collected aseptically by venipuncture into sterile blood bags containing a defibrinating sponge. The bags are agitated during collection and then for a further 30 minutes to ensure complete defibrination. All blood collection procedures and volumes are approved by the IMVS Animal Ethics Committee. The defibrinated blood is then pooled into a new bag using a closed system of tubing and specialised connectors designed to ensure sterility. These bags are then either shipped as they are, or blood may be run into dispatch bags or sterile bottles of nominated volume.

APPLICATION

This blood is intended primarily for use as an enrichment additive for bacterial media (blood and chocolate agar plates). It should be noted that defibrinated blood starts to become haemolysed after a few days storage at 2-8°C. The development of haemolysis is more noticeable in defibrinated sheep blood than in horse blood, but represents the loss of haemoglobin from less than 1% of all red cells in samples showing marked haemolysis.

QUALITY ASSURANCE

Packed Cell Volume (PCV)

Packed Cell Volume (PCV) readings of all pooled blood are taken during the manufacturing process and are specified on the quality assurance report supplied with the blood.

Acceptable PCV range: Defibrinated Horse Blood 35-48%
 Defibrinated Sheep Blood 29-42%

Bacterial Sterility Testing

A sample of 5-10mls of blood is taken from each pool of blood and cultured into aerobic and anaerobic blood culture broths and incubated at 37°C for 3-5 days. Samples of each broth are then transferred onto blood agar plates and incubated for another 2 days. When no bacterial growth occurs after this 5-7 days, a Quality Assurance report is issued declaring it to be a sterile product.

PACKAGING AND STORAGE

All blood products are shipped on chill packs (interstate or international) or wet ice (local) unless otherwise specified. These products must be kept at 2-8°C and depending on the application should be stable for 2-4 weeks.

CAUTION

This product is for **in vitro laboratory use only**, and must not be used in any therapeutic or test procedures involving humans or animals. Do not ingest and avoid direct contact with blood. Although this is normal blood collected from healthy animals, the usual safety precautions when handling material of biological origin should be followed. All materials should be considered to be potentially infectious and handled and disposed of with proper precautions.



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