

AR00068PU-N**Human Hemoglobin - Purified**

Alternate names:	Haemoglobin
Quantity:	2 g
Background:	Hemoglobin is involved in oxygen transport from the lung to the various peripheral tissues. The alpha (HBA) and beta (HBB) loci determine the structure of the 2 types of polypeptide chains in adult Hemoglobin. The normal adult Hemoglobin tetramer consists of two alpha chains and two beta chains. Mutant beta globin causes sickle cell anemia. Absence of beta chain causes beta zero thalassemia. Reduced amounts of detectable beta globin causes beta plus thalassemia.
Species:	Human
Source:	Erythrocytes
Format:	State: Lyophilized purified protein from Sodium chloride Purity: >96% pure (SDS-PAGE), Multi-step procedure including ion exchange chromatography Preservatives: None
Applications:	Specific methodologies have not been tested using this product. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Human Hemoglobin
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	Source material supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis with FDA approved test kits. All units were found to be non-reactive/negative for these tests. Nevertheless, all products from human sources should be handled as potentially infectious.