
Product Data Sheet

Product Name: HbA1c Human

Cat. No.: GP23618

Batch No.: 1

Product Data

Purity	Greater than 99.0% as determined by HPLC.	Source	Human Erythrocytes.
Physical Appearance	Clear red frozen solution.	Shipping Condition	Shipped with Ice Packs.
Formulation	The HbA1c is supplied in a proprietary buffer formulation having pH-8.0. The HbA1c was dispensed on the basis of HbA1c not total hemoglobin.		

Introduction

The HbA1c shows the average amount of glucose in the blood over a period of 3 months. Sugar in the bloodstream can become attached to the hemoglobin in red blood cells (glycosylation). Once the sugar is attached, it stays there for the life of the red blood cell, which is about 120 days. The higher the level of blood sugar, the more sugar attaches to red blood cells. The HbA1c is formed in a non-enzymatic pathway by hemoglobin's standard exposure to elevated plasma levels of glucose. HbA1c is tested to monitor nephropathy and retinopathy in diabetes mellitus.

Stability

Human HbA1c although stable at 4°C for 1 week, should be stored at -20°C .

Background

The Human Hemoglobin A1c was purified from Human Erythrocytes.

Caution: Product has not been fully validated for medical applications. For research use only.

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