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HbA1c Human

Human Hemoglobin A1c
RCP0995

Product Overview

Name	HbA1c Human

Description

Human Hemoglobin A1c

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.

Source

Human Erythrocytes.

Physical Appearance

Clear red frozen solution.

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.

Stability

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

Purity

Greater than 96.0%.

Human Virus Test

Tissue sample tested and found negative for HIV-1 & 2 antibodies, HBsAg, and Hepatitis-C antibodies.

Precautions

HbA1c Human is for research use only and not for use in diagnostic or therapeutic procedures.