

RayBio® Human Serum/Plasma Diluent

Catalog #: 137-00022-50ML, 137-00022-100ML, 137-00022-500ML

ISO 13485:2016

Introduction

The RayBio® Human Serum/Plasma Diluent contains similar concentrations of proteins and other components shared by human serum and plasma and therefore can serve as an excellent diluent for samples or protein standards in immunoassays such as Antibody Arrays or ELISA. This reagent consists of 5% Human Serum Albumin (HSA) and other components in a PBS solution, pH 7.4, which mimics the matrix of human serum and plasma. Since the HSA is highly purified, this serum/plasma diluent does not contain any analytes of interest in general immunoassays and is highly compatible with antibody-antigen interactions.

Components

This reagent contains 5% purified Human Serum Albumin (HSA) and other human blood components in a PBS solution (pH 7.4) containing 0.05% NaN₃.

Preparation Instructions

This reagent can be used directly or diluted with PBS when necessary. Serum/plasma samples are typically diluted 2-fold with PBS for many immunoassays. If samples are diluted this way (2-fold with PBS), we suggest diluting the serum/plasma diluent with PBS 2-fold (1:1) as well when using it as a standard protein diluent to be consistent with the serum/plasma sample dilution. If further dilution of samples is necessary, we recommend using this serum/plasma diluent to further dilute the serum/plasma samples.

Storage

The solution may be stored at 4°C for up to 1 year from the date of shipment.