

# BUFFERS & STABILIZERS

## Sample X-tra™, Ready-to-use

Sample Dilution Buffer  
Cat. No. 5350

### INTRODUCTION

The **Sample X-tra** is a sample dilution buffer for use in immunoassays such as ELISA, EIA, RIA, Protein Arrays, Western Blotting and Immuno-PCR. The buffer is used for dilution of samples matrices & assay standards for generating the standard curve. In an ELISA, the buffer minimizes nonspecific interactions between the matrix proteins and the surface of the plate. This results in an improved Signal to Noise Ratio.

In case background or false positive results are found we recommend the use of our Effect Diluent Buffers (please ask for details, if relevant).

### COMPOSITION

**Sample X-tra** is a buffer composition without any phosphate, therefore also suitable for dilution of HRP/AP conjugates. The buffer does not contain azide, mercury or other toxic chemicals. The buffer is free from animal components.

The buffer is ready-to-use containing appropriate stabilizing components. Please mix thoroughly prior to use.

### PROCEDURE

1. Make a series of dilutions of specimens and standards in order to determine the appropriate dilution factors.
2. Add the correct volume of Sample X-tra to the microwells or tubes.
3. Add specimens which give the correct dilution.
4. Run the assay as usual. (Suitability of the Sample X-tra has to be verified for each specific assay).

### RECOMMENDED HANDLING AND STORAGE

Store solution at 2-8°C.

**PLEASE NOTE:** In rare cases insufficient reduction of unspecific bindings may occur (e.g. food allergy testing). Here we recommend you to use our Protein-StabilPLUS, Cat. No. 4720

### ECO-TEK® BRAND NAME

The **ECO-TEK** brand name stands for environmentally-friendly products.

These products are characterized by offering the highest level of sustainability from replacing toxic components in buffer solutions to wasting less water.

# Instruction Manual