**{{ kit\_name|default('ELISA Kit') }}**

Catalog Number: {{ catalog\_number|default('') }}  
Lot Number: {{ lot\_number|default('') }}

## **INTENDED USE**

{{ intended\_use|default('') }}

## **TECHNICAL DETAILS**

## **OVERVIEW**

## **BACKGROUND**

{{ background\_text|default('') }}

## **ASSAY PRINCIPLE**

{{ assay\_principle|default('') }}

## **KIT COMPONENTS**

## **MATERIALS REQUIRED BUT NOT PROVIDED**

{{ required\_materials\_with\_bullets|default('') }}

## **REAGENT PREPARATION**

{{ reagent\_preparation|default('') }}

## **DILUTION OF STANDARD**

{{ dilution\_of\_standard|default('') }}

## **PREPARATIONS BEFORE ASSAY**

1. Prepare all reagents, samples, and standards according to the instructions.

2. Confirm that you have the appropriate non-supplied equipment available.

3. Spin down all components to the bottom of the tube before opening.

4. Don't let the 96-well plate dry out as this will inactivate active components.

5. Don't reuse tips and tubes to avoid cross-contamination. Avoid using reagents from different batches.

## **SAMPLE PREPARATION AND STORAGE**

{{ sample\_preparation\_and\_storage|default('') }}

## **SAMPLE COLLECTION NOTES**

{{ sample\_collection\_notes|default('') }}

## **SAMPLE DILUTION GUIDELINE**

{{ sample\_dilution\_guideline|default('') }}

## **ASSAY PRINCIPLE**

{{ assay\_principle }}

## **SAMPLE PREPARATION AND STORAGE**

{{ sample\_preparation\_and\_storage }}

## **SAMPLE COLLECTION NOTES**

{{ sample\_collection\_notes }}

## **SAMPLE DILUTION GUIDELINE**

{{ sample\_dilution\_guideline }}

## **ASSAY PROTOCOL**

{{ assay\_protocol\_numbered|default('') }}

## **TYPICAL DATA / STANDARD CURVE**

This standard curve is for demonstration only. A standard curve must be run with each assay.

## **DATA ANALYSIS**

{{ data\_analysis }}

## **INTRA/INTER-ASSAY VARIABILITY**

Three samples of known concentration were tested on one plate to assess intra-assay precision.

Three samples of known concentration were tested in separate assays to assess inter-assay precision.

## **REPRODUCIBILITY**

Samples were tested in four different assay lots to assess reproducibility.

## **DATA ANALYSIS**

{{ data\_analysis|default('') }}