# ELISA Kit

CATALOG NO: {{ catalog\_number }} LOT NO: {{ lot\_number }}

## INTENDED USE

{{ intended\_use }}

## BACKGROUND

{{ background }}

## PRINCIPLE OF THE ASSAY

{{ assay\_principle }}

## REAGENTS

|  |  |
| --- | --- |
| Description | Quantity |
| {% for reagent in reagents %}{{ reagent.name }} | {{ reagent.quantity }}{% endfor %} |

## MATERIALS REQUIRED BUT NOT PROVIDED

{{ required\_materials }}

## TYPICAL DATA

|  |  |
| --- | --- |
| Concentration (pg/ml) | O.D. |
| {{ standard\_curve.concentrations|join(", ") }} | {{ standard\_curve.od\_values|join(", ") }} |

## INTRA-/INTER-ASSAY VARIABILITY

- Intra-Assay Precision: {{ variability.intra\_precision }}

- Inter-Assay Precision: {{ variability.inter\_precision }}

### Intra-Assay Precision Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sample | n | Mean (pg/ml) | Std Dev | CV (%) |
| {% for row in tables.intra %}{{ row.sample }} | {{ row.n }} | {{ row.mean }} | {{ row.std\_dev }} | {{ row.cv }}{% endfor %} |

## REPRODUCIBILITY

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Lot | Sample 1 | Sample 2 | Sample 3 | Mean | Std Dev | CV (%) |
| {% for lot in reproducibility %}{{ lot.name }} | {{ lot.sample1 }} | {{ lot.sample2 }} | {{ lot.sample3 }} | {{ lot.mean }} | {{ lot.std\_dev }} | {{ lot.cv }}{% endfor %} |

## PROCEDURAL NOTES

{{ procedural\_notes }}

## REAGENT PREPARATION & STORAGE

{{ reagent\_preparation }}

## DILUTION OF STANDARD

{{ dilution\_of\_standard }}

## SAMPLE PREPARATION & STORAGE

{{ sample\_preparation\_and\_storage }}

## SAMPLE COLLECTION NOTES

{{ sample\_collection\_notes }}

## SAMPLE DILUTION GUIDELINE

{{ sample\_dilution\_guideline }}

## ASSAY PROTOCOL

## {% for note in assay\_protocol %}

## {{ note }}

## {% endfor %}

## DATA ANALYSIS

{{ data\_analysis }}

## DISCLAIMER

This material is sold for in-vitro use only in manufacturing and research. This material is not suitable for human use. It is the responsibility of the user to undertake sufficient verification and testing to determine the suitability of each product’s application. The statements herein are offered for informational purposes only and are intended to be used solely for your consideration, investigation and verification.

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