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

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

## **INTENDED USE**

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

## **TECHNICAL DETAILS**

|  |  |
| --- | --- |
| **Capture/Detection Antibodies** |  |
| **Specificity** |  |
| **Standard Protein** |  |
| **Cross-reactivity** |  |

## **OVERVIEW**

|  |  |
| --- | --- |
| **Product Name** | {{ kit\_name|default('Mouse KLK1/Kallikrein 1 ELISA Kit') }} |
| **Reactive Species** |  |
| **Range** |  |
| **Sensitivity** |  |
| **Sample Type** |  |
| **Sample Volume** |  |
| **Assay Time** |  |
| **Protocol** |  |

## **BACKGROUND**

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

## **ASSAY PRINCIPLE**

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

## **KIT COMPONENTS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Description** | **Quantity** | **Volume** | **Storage of opened/reconstituted material** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
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|  |  |  |  |

## **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 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.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Concentration (pg/ml)** | **{{ standard\_curve.concentrations[0]|default('') }}** | **{{ standard\_curve.concentrations[1]|default('') }}** | **{{ standard\_curve.concentrations[2]|default('') }}** | **{{ standard\_curve.concentrations[3]|default('') }}** | **{{ standard\_curve.concentrations[4]|default('') }}** | **{{ standard\_curve.concentrations[5]|default('') }}** | **{{ standard\_curve.concentrations[6]|default('') }}** | **{{ standard\_curve.concentrations[7]|default('') }}** |
| **O.D.** | {{ standard\_curve.od\_values[0]|default('') }} | {{ standard\_curve.od\_values[1]|default('') }} | {{ standard\_curve.od\_values[2]|default('') }} | {{ standard\_curve.od\_values[3]|default('') }} | {{ standard\_curve.od\_values[4]|default('') }} | {{ standard\_curve.od\_values[5]|default('') }} | {{ standard\_curve.od\_values[6]|default('') }} | {{ standard\_curve.od\_values[7]|default('') }} |

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample** | **n** | **Mean (pg/ml)** | **Standard Deviation** | **CV (%)** |
| 1 | {{ variability.intra\_assay.sample\_1.n|default('24') }} | {{ variability.intra\_assay.sample\_1.mean|default('') }} | {{ variability.intra\_assay.sample\_1.sd|default('') }} | {{ variability.intra\_assay.sample\_1.cv|default('') }} |
| 2 | {{ variability.intra\_assay.sample\_2.n|default('24') }} | {{ variability.intra\_assay.sample\_2.mean|default('') }} | {{ variability.intra\_assay.sample\_2.sd|default('') }} | {{ variability.intra\_assay.sample\_2.cv|default('') }} |
| 3 | {{ variability.intra\_assay.sample\_3.n|default('24') }} | {{ variability.intra\_assay.sample\_3.mean|default('') }} | {{ variability.intra\_assay.sample\_3.sd|default('') }} | {{ variability.intra\_assay.sample\_3.cv|default('') }} |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample** | **n** | **Mean (pg/ml)** | **Standard Deviation** | **CV (%)** |
| 1 | {{ variability.inter\_assay.sample\_1.n|default('24') }} | {{ variability.inter\_assay.sample\_1.mean|default('') }} | {{ variability.inter\_assay.sample\_1.sd|default('') }} | {{ variability.inter\_assay.sample\_1.cv|default('') }} |
| 2 | {{ variability.inter\_assay.sample\_2.n|default('24') }} | {{ variability.inter\_assay.sample\_2.mean|default('') }} | {{ variability.inter\_assay.sample\_2.sd|default('') }} | {{ variability.inter\_assay.sample\_2.cv|default('') }} |
| 3 | {{ variability.inter\_assay.sample\_3.n|default('24') }} | {{ variability.inter\_assay.sample\_3.mean|default('') }} | {{ variability.inter\_assay.sample\_3.sd|default('') }} | {{ variability.inter\_assay.sample\_3.cv|default('') }} |

## **REPRODUCIBILITY**

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Lot 1** | **Lot 2** | **Lot 3** | **Lot 4** | **Standard Deviation** | **Mean** |
| Sample 1 |  |  |  |  |  |  |
| Sample 2 |  |  |  |  |  |  |
| Sample 3 |  |  |  |  |  |  |

## **DATA ANALYSIS**

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