**{{ kit\_name }}**

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

INTENDED USE

{{ intended\_use }}

BACKGROUND

{{ background }}

PRINCIPLE OF THE ASSAY

{{ assay\_principle }}

SPECIFICATION

REAGENTS

MATERIALS REQUIRED BUT NOT PROVIDED

{{ required\_materials }}

TYPICAL DATA

TYPICAL STANDARD CURVE

This standard curve was generated for demonstration purpose only. A standard curve must be run with each assay.

|  |  |
| --- | --- |
| **Concentration** | **OD Value** |
| {{ standard\_curve\_table[0].concentration if 0 < standard\_curve\_table|length else '' }} | {{ standard\_curve\_table[0].od\_value if 0 < standard\_curve\_table|length else '' }} |
| {{ standard\_curve\_table[1].concentration if 1 < standard\_curve\_table|length else '' }} | {{ standard\_curve\_table[1].od\_value if 1 < standard\_curve\_table|length else '' }} |
| {{ standard\_curve\_table[2].concentration if 2 < standard\_curve\_table|length else '' }} | {{ standard\_curve\_table[2].od\_value if 2 < standard\_curve\_table|length else '' }} |
| {{ standard\_curve\_table[3].concentration if 3 < standard\_curve\_table|length else '' }} | {{ standard\_curve\_table[3].od\_value if 3 < standard\_curve\_table|length else '' }} |
| {{ standard\_curve\_table[4].concentration if 4 < standard\_curve\_table|length else '' }} | {{ standard\_curve\_table[4].od\_value if 4 < standard\_curve\_table|length else '' }} |
| {{ standard\_curve\_table[5].concentration if 5 < standard\_curve\_table|length else '' }} | {{ standard\_curve\_table[5].od\_value if 5 < standard\_curve\_table|length else '' }} |
| {{ standard\_curve\_table[6].concentration if 6 < standard\_curve\_table|length else '' }} | {{ standard\_curve\_table[6].od\_value if 6 < standard\_curve\_table|length else '' }} |
| {{ standard\_curve\_table[7].concentration if 7 < standard\_curve\_table|length else '' }} | {{ standard\_curve\_table[7].od\_value if 7 < standard\_curve\_table|length else '' }} |

INTRA/INTER ASSAY VARIABILITY

Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.

Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter- assay precision.

REPRODUCIBILITY

\*number of samples for each test n=16.

PROCEDURAL NOTES

{{ procedural\_notes }}

REAGENT PREPARATION AND STORAGE

DILUTION OF STANDARD

{{ dilution\_of\_standard }}

SAMPLE COLLECTION & STORAGE

{{ sample\_collection\_notes }}

ASSAY PROCEDURE

{{ '{% for step in assay\_protocol %}' }}

{{ '{{ step }}' }}

{{ '{% 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.