**{{ kit\_name }}**

**Catalog Number:** {{ catalog\_number }} **Lot Number:** {{ lot\_number }}

Intended Use:

{{ intended\_use }}

Background:

{{ background }}

Principle of the Assay:

{{ assay\_principle }}

Kit Components:

**The following reagents are included:**

|  |  |  |
| --- | --- | --- |
| **Component** | **Volume** | **Storage** |
| {{ reagents[0].name if 0 < reagents|length else '' }} | {{ reagents[0].volume if 0 < reagents|length else '' }} | {{ reagents[0].storage if 0 < reagents|length else '' }} |
| {{ reagents[1].name if 1 < reagents|length else '' }} | {{ reagents[1].volume if 1 < reagents|length else '' }} | {{ reagents[1].storage if 1 < reagents|length else '' }} |
| {{ reagents[2].name if 2 < reagents|length else '' }} | {{ reagents[2].volume if 2 < reagents|length else '' }} | {{ reagents[2].storage if 2 < reagents|length else '' }} |
| {{ reagents[3].name if 3 < reagents|length else '' }} | {{ reagents[3].volume if 3 < reagents|length else '' }} | {{ reagents[3].storage if 3 < reagents|length else '' }} |
| {{ reagents[4].name if 4 < reagents|length else '' }} | {{ reagents[4].volume if 4 < reagents|length else '' }} | {{ reagents[4].storage if 4 < reagents|length else '' }} |

Materials Required But Not Supplied:

{{ required\_materials }}

Reagent Preparation:

{{ reagent\_preparation }}

Sample Collection and Storage:

{{ sample\_collection\_notes }}

Assay Procedure:

1. {{ assay\_protocol[0] if 0 < assay\_protocol|length else '' }}
2. {{ assay\_protocol[1] if 1 < assay\_protocol|length else '' }}
3. {{ assay\_protocol[2] if 2 < assay\_protocol|length else '' }}
4. {{ assay\_protocol[3] if 3 < assay\_protocol|length else '' }}
5. {{ assay\_protocol[4] if 4 < assay\_protocol|length else '' }}
6. {{ assay\_protocol[5] if 5 < assay\_protocol|length else '' }}
7. {{ assay\_protocol[6] if 6 < assay\_protocol|length else '' }}
8. {{ assay\_protocol[7] if 7 < assay\_protocol|length else '' }}
9. {{ assay\_protocol[8] if 8 < assay\_protocol|length else '' }}
10. {{ assay\_protocol[9] if 9 < assay\_protocol|length else '' }}

Calculation of Results:

{{ data\_analysis }}

Standard Curve:

{{ standard\_curve\_title }}

|  |  |
| --- | --- |
| **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 '' }} |

Sensitivity:

{{ sensitivity }}

Precision:

Intra-Assay Precision (Precision within an assay)

|  |  |  |
| --- | --- | --- |
| **Sample** | **n** | **CV%** |
| {{ intra\_precision[0].sample if intra\_precision and 0 < intra\_precision|length else '' }} | {{ intra\_precision[0].n if intra\_precision and 0 < intra\_precision|length else '' }} | {{ intra\_precision[0].cv if intra\_precision and 0 < intra\_precision|length else '' }} |
| {{ intra\_precision[1].sample if intra\_precision and 1 < intra\_precision|length else '' }} | {{ intra\_precision[1].n if intra\_precision and 1 < intra\_precision|length else '' }} | {{ intra\_precision[1].cv if intra\_precision and 1 < intra\_precision|length else '' }} |
| {{ intra\_precision[2].sample if intra\_precision and 2 < intra\_precision|length else '' }} | {{ intra\_precision[2].n if intra\_precision and 2 < intra\_precision|length else '' }} | {{ intra\_precision[2].cv if intra\_precision and 2 < intra\_precision|length else '' }} |

Inter-Assay Precision (Precision between assays)

|  |  |  |
| --- | --- | --- |
| **Sample** | **n** | **CV%** |
| {{ inter\_precision[0].sample if inter\_precision and 0 < inter\_precision|length else '' }} | {{ inter\_precision[0].n if inter\_precision and 0 < inter\_precision|length else '' }} | {{ inter\_precision[0].cv if inter\_precision and 0 < inter\_precision|length else '' }} |
| {{ inter\_precision[1].sample if inter\_precision and 1 < inter\_precision|length else '' }} | {{ inter\_precision[1].n if inter\_precision and 1 < inter\_precision|length else '' }} | {{ inter\_precision[1].cv if inter\_precision and 1 < inter\_precision|length else '' }} |
| {{ inter\_precision[2].sample if inter\_precision and 2 < inter\_precision|length else '' }} | {{ inter\_precision[2].n if inter\_precision and 2 < inter\_precision|length else '' }} | {{ inter\_precision[2].cv if inter\_precision and 2 < inter\_precision|length else '' }} |

Specificity:

{{ specificity }}