

## CERTIFICATE OF ANALYSIS

**Product:** IAPP ELISA Kit (Mouse)  
**Sku:** OKEH03222  
**Lot:** KE1671  
**Expiration Date:** 2021.06

### Performance Characteristics:

|                          |         |                    |
|--------------------------|---------|--------------------|
| Intra-Assay CV           | <= 6.3% | Passed             |
| Inter-Assay CV           | <= 8.1% | Passed             |
| Limit of Detection (LOD) |         | <= 8.18 pg/mL      |
| Assay Range              |         | 15.6 - 1,000 pg/mL |

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 2000 pg Lyophilized IAPP standard. Mix gently until dissolved. Leave the vial at ambient temperature for 15 minutes.

Prepare a set of diluted standards as indicated in the chart below:

| Standard Number (Tube) | Standard To Dilute         | Volume Standard To Dilute (uL) | Volume Sample Diluent Buffer (uL) | Total Volume (uL) | Final Concentration (pg/mL) |
|------------------------|----------------------------|--------------------------------|-----------------------------------|-------------------|-----------------------------|
| 1                      | Reconstitute IAPP Standard | N/A                            | N/A                               | 2,000             | 1000                        |
| 2                      | 1000                       | 300                            | 300                               | 600               | 500                         |

| Standard Number (Tube) | Standard To Dilute | Volume Standard To Dilute (uL) | Volume Sample Diluent Buffer (uL) | Total Volume (uL) | Final Concentration (pg/mL) |
|------------------------|--------------------|--------------------------------|-----------------------------------|-------------------|-----------------------------|
| 3                      | 500                | 300                            | 300                               | 600               | 250                         |
| 4                      | 250                | 300                            | 300                               | 600               | 125                         |
| 5                      | 125                | 300                            | 300                               | 600               | 62.5                        |
| 6                      | 62.5               | 300                            | 300                               | 600               | 31.2                        |
| 7                      | 31.2               | 300                            | 300                               | 600               | 15.6                        |
| 8                      | N/A                | 0                              | 300                               | 300               | 0.0 (Blank)                 |



### Typical Expected Data

Standard Curve and Calculations ONLY. Do not use below report for result calculations. A standard curve should be generated each time the test is performed.

| Standard Number | Concentration (pg/mL) | Background Adjusted OD Value |
|-----------------|-----------------------|------------------------------|
| 1               | 1000                  | 0.604                        |
| 2               | 500                   | 0.776                        |
| 3               | 250                   | 1.038                        |
| 4               | 125                   | 1.191                        |
| 5               | 62.5                  | 1.527                        |
| 6               | 31.2                  | 1.914                        |

| Standard Number | Concentration (pg/mL) | Background Adjusted OD Value |
|-----------------|-----------------------|------------------------------|
| 7               | 15.6                  | 2.223                        |

### Standard Curve Graph

