

AAA15887

PRECISION

Intra-assay Precision (Precision within an assay): CV%<8%

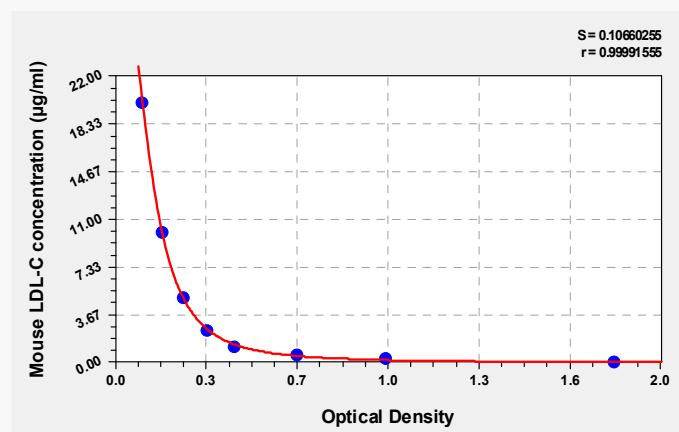
Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

TYPICAL DATA

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



| µg/ml | OD1 | OD2 | Average |
|-------|-------|-------|---------|
| 20 | 0.105 | 0.107 | 0.106 |
| 10 | 0.173 | 0.178 | 0.176 |
| 5 | 0.248 | 0.255 | 0.252 |
| 2.5 | 0.330 | 0.345 | 0.338 |
| 1.25 | 0.430 | 0.443 | 0.437 |
| 0.625 | 0.640 | 0.682 | 0.661 |
| 0.312 | 0.941 | 1.011 | 0.976 |
| 0 | 1.752 | 1.834 | 1.793 |

LOD

0.078 µg/ml

LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of mouse LDL-C in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

| | Sample | Serum(n=4) |
|-------|-----------|------------|
| 1:100 | Average % | 86 |
| | Range % | 82-92 |
| 1:200 | Average % | 94 |
| | Range % | 91-98 |
| 1:400 | Average % | 107 |
| | Range % | 103-114 |
| 1:800 | Average % | 89 |
| | Range % | 85-94 |

RECOVERY

The recovery of mouse LDL-C spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

| Sample Type | Average % Recovery | Range |
|-------------------|--------------------|-------|
| Serum (n=5) | 88 | 84-93 |
| EDTA plasma (n=4) | 91 | 87-95 |