



Rat very low density lipoprotein(VLDL)ELISA Kit

Product Code	CSB-E17088r																			
Abbreviation	VLDL																			
Target Name	very low density lipoprotein(VLDL)																			
Alias	N/A																			
Product Type	ELISA Kit																			
Immunogen Species	Rattus norvegicus (Rat)																			
Sample Types	serum, plasma, tissue homogenates																			
Detection Range	3.12 ng/mL-200 ng/mL																			
Sensitivity	0.78 ng/mL																			
Assay Time	1-5h																			
Sample Volume	50-100ul																			
Detection Wavelength	450 nm																			
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.																			
Research Area	Cardiovascular																			
Tag Info	quantitative																			
Protein Description	Competitive																			
Description	This Rat VLDL ELISA Kit was designed for the quantitative measurement of Rat VLDL protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 3.12 ng/mL-200 ng/mL and the sensitivity is 0.78 ng/mL.																			
Product 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.																			
Linearity	To assess the linearity of the assay, samples were spiked with high concentrations of rat VLDL in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table> <thead> <tr> <th></th><th>Sample</th><th>Serum(n=4)</th></tr> </thead> <tbody> <tr> <td rowspan="2">1:100</td><td>Average %</td><td>99</td></tr> <tr> <td>Range %</td><td>91-103</td></tr> <tr> <td rowspan="2">1:200</td><td>Average %</td><td>87</td></tr> <tr> <td>Range %</td><td>81-92</td></tr> <tr> <td rowspan="2">1:400</td><td>Average %</td><td>104</td></tr> <tr> <td>Range %</td><td>98-107</td></tr> </tbody> </table>			Sample	Serum(n=4)	1:100	Average %	99	Range %	91-103	1:200	Average %	87	Range %	81-92	1:400	Average %	104	Range %	98-107
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1:800	Average %	101
	Range %	92-105

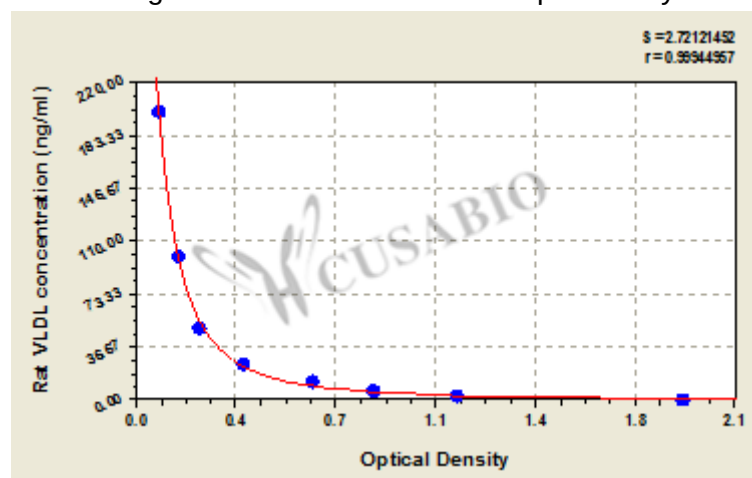
Recovery

The recovery of rat VLDL 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)	94	86-99
EDTA plasma (n=4)	98	91-102

Typical

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



ng/ml	OD1	OD2	Average
200	0.084	0.088	0.086
100	0.152	0.159	0.156
50	0.226	0.234	0.230
25	0.389	0.378	0.384
12.5	0.613	0.635	0.624
6.25	0.830	0.843	0.837
3.12	1.138	1.117	1.128
0	1.970	1.869	1.920