

Leptin Product Comparison

Product	bioLEP ELISA	Leptin ELISA	Leptin Sensitive ELISA
Product Number	L07	E07	E077
Regulatory Status (EU)	RUO	RUO (US)	RUO (US)
Reference Material	NIBSC 97/594	NIBSC 97/594	NIBSC 97/594
Incubation Period	4 hours	1.75 hours	1.75 hours
Antibody	Rabbit	Mouse	Mouse
Calibrator	Recombinant Leptin	Recombinant Leptin	Recombinant Leptin
Assay Range	1 ng/mL – 120 ng/mL	0.25 – 100 µg/L	0.05 – 5 ng/mL
Sample Matrix	Serum/Plasma	Serum/Plasma	Serum/Plasma
Sample Dilution	1:20	Undiluted	1:10
Analytical Sensitivity [µg/L]	0.01	< 0.25	0.014
Intra-/Inter-assay Variance [%]	<10	<15	<10
Shaking required	Yes	Yes	Yes
Sample Volume	100 µL of properly diluted (1:20) unknown / determination	20 µL / determination	100 µL of properly diluted unknown / determination
Assay Description	2 hour incubation (RT) + 1 hour (RT) + 30 min. (RT) + 30 min. (RT) = 4 hours total incubation time	1 hour incubation (RT) + 30 min. (RT) + 15 min. (RT) = 1 hour, 45 min. total incubation time	1 hour incubation (RT) + 30 min. (RT) + 15 min. (RT) = 1 hour, 45 min. total incubation time
Reference Values	Blum WF, Juul A; Reference ranges of serum leptin, In: Leptin- the Voi+A11:D15ce of Adipose Tissue, Blum WF et al. eds. Johann Ambrosius Verlag, Heidelberg, 1997		