

DIABETES & OBESITY

We're proud to be the leading worldwide provider of diabetes and obesity research assays.

PRODUCT CATALOG

See our full line of high quality assays





Trusted by the leading diabetes research centers

The leading diabetes research centers rely on our products, including institutions like: Harvard, Inserm, NIH, Amgen

Cat #	Product Name	Assay Range	Sensitivity	Sample Size	Sample Type	Assay Time
80571	Adiponectin Human ELISA	2-100 ng/mL	0.6 ng/mL	10 µL	Plasma, Serum	1h 45m
80569	Adiponectin Mouse ELISA	0.025-1 ng/mL	0.008 ng/mL	5 µL	Fluid, Plasma, Serum	2h 30m
80570	Adiponectin Rat ELISA	0.25-10 ng/mL	0.08 ng/mL	5 µL	Plasma, Serum	2h 30m
80695	Albumin Human ELISA	6.25-200 µg/mL	1.90 ng/mL	2 µL	Plasma, Serum, Urine	1h 40m
80630	Albumin Mouse ELISA	7.8-500 ng/mL	1.70 ng/mL	2 µL	Plasma, Serum, Urine	1h 10m
80662	Albumin Rat ELISA	6.25-400 ng/mL	1.62 ng/mL	2 µL	Plasma, Serum, Urine	1h 10m
80269	Bile Acids Total Human Assay	0-180 µmol/L	N/A	20 µL	Plasma, Serum	10m
80470	Bile Acids Total Mouse Assay	0-180 µmol/L	N/A	20 µL	Feces, Liver, Plasma, Serum	< 15m
80460	Bile Acids Total Rat Assay	0-180 µmol/L	N/A	20 µL	Feces, Liver, Plasma, Serum	< 15m
80954	C-Peptide Human ELISA	0.3-16 ng/mL	0.2 ng/mL	50 µL	Serum	1h 45m
90050	C-Peptide Mouse ELISA	0.1-6.4 ng/mL	100 pg/mL	5 µL	Fluid, Plasma, Serum	2h 30m
90055	C-Peptide Rat ELISA	0.1-6.4 ng/mL	100 pg/mL	5 µL	Fluid, Plasma, Serum	2h 30m
80189	Creatinine Human Assay (Enzymatic)	0.15-141 mg/dL	0.15 mg/dL	8 µL	Serum, Urine	10m
80350	Creatinine Mouse Assay (Enzymatic)	0.15-141 mg/dL	0.15 mg/dL	< 10 µL	Serum, Urine	< 30m



ADIPONECTIN ELISA KITS

Crystal Chem's mouse adiponectin ELISA is an easy-to-use kit that is highly specific for mouse adiponectin with results in under 2.5 hours. The assay provides excellent linearity across a wide dynamic range, 0.025 - 1 ng/mL, using only 5 µL of sample and has a sensitivity limit of 0.008 ng/mL.

In addition to our mouse adiponectin ELISA, we carry kits for rat and human models as well.

Mouse and Rat Adiponectin ELISA Specs

	Mouse Kit	Rat Kit
Sample Vol	5 µL	5 µL
Assay Time	2.5 hr	2.5 hr
Sample Types	Fluid, Plasma, Plasma	Plasma, Serum
Range	0.025-1.0 ng/mL	0.25-10 ng/mL
Sensitivity	0.008 ng/mL	0.08 ng/mL

Cat #	Product Name	Assay Range	Sensitivity	Sample Size	Sample Type	Assay Time
80340	Creatinine Rat Assay (Enzymatic)	0.15-141 mg/dL	0.15 mg/dL	< 10 µL	Serum, Urine	< 30m
81509	GIP Active Human ELISA	0.78-50 pM	0.78 pM	50 µL	Cell Culture, Plasma	3h 30m
81511	GIP Active Mouse ELISA	1.56-100 pM	1.56 pM	15 µL	Cell Culture, Plasma	3h 30m
81510	GIP Active Rat ELISA	0.78-50 pM	0.78 pM	50 µL	Cell Culture, Plasma	3h 30m
81515	GIP Human ELISA	3.1-200 pM	3.1 pM	50 µL	Cell Culture, Plasma	3h 30m
81517	GIP Mouse ELISA	6.3-400 pM	6.3 pM	25 µL	Cell Culture, Plasma	3h 30m
81516	GIP Rat ELISA	3.1-200 pM	3.1 pM	50 µL	Cell Culture, Plasma	3h 30m
81506	GLP-1 Human ELISA	1.24-300 pM	1.24 pM	25 µL	Cell Culture, Plasma	Overnight
81508	GLP-1 Mouse ELISA	1.24-300 pM	1.24 pM	10 µL	Cell Culture, Plasma	Overnight
81507	GLP-1 Rat ELISA	1.24-300 pM	1.24 pM	25 µL	Cell Culture, Plasma	Overnight
81512	GLP-2 Human ELISA	0.41-100 ng/mL	0.41 ng/mL	25 µL	Plasma, Serum	Overnight
81514	GLP-2 Mouse ELISA	0.41-100 ng/mL	0.41 ng/mL	25 µL	Plasma, Serum	Overnight
81513	GLP-2 Rat ELISA	0.14-100 ng/mL	0.14 ng/mL	25 µL	Plasma, Serum	Overnight
81503	Glucagon Human ELISA	50-10,000 pg/mL	50 pg/mL	100 µL	Plasma	Overnight

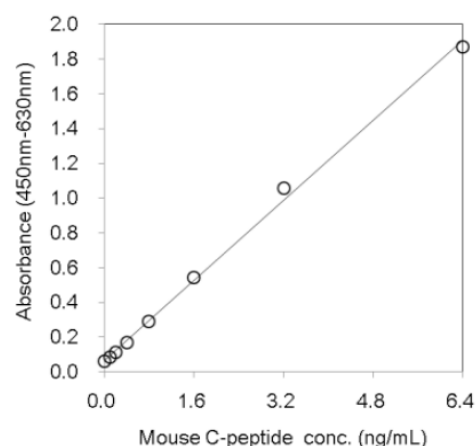
DIABETES & OBESITY

C-PEPTIDE ELISA KITS

Crystal Chem's mouse and rat c-peptide kits are the only c-peptide kits on the market to use a 5 μ L sample volume.

In addition to their small sample volume, the kits have excellent cross-reactivity with both c-peptide I (80-120%) and c-peptide II (100%), and are validated for all three major sample types - serum, plasma, and cell culture.

Mouse C-Peptide Standard Curve



Cat #	Product Name	Assay Range	Sensitivity	Sample Size	Sample Type	Assay Time
81504	Glucagon Mouse ELISA	50-10,000 pg/mL	50 pg/mL	50 μ L	Plasma	2 d
81505	Glucagon Rat ELISA	50-10,000 pg/mL	50 pg/mL	50 μ L	Plasma	2 d
81692	Glucose Mouse Assay	0-675 mg/dL	N/A	2 μ L	Plasma, Serum, Urine	5m
81693	Glucose Rat Assay	0-675 mg/dL	N/A	2 μ L	Plasma, Serum, Urine	5m
81694	Glucose Mouse Assay (10 Pack)	0-675 mg/dL	N/A	2 μ L	Plasma, Serum, Urine	5m
81695	Glucose Rat Assay (10 Pack)	0-675 mg/dL	N/A	2 μ L	Plasma, Serum, Urine	5m
80109	Glycated Serum Protein Human Assay	20.0-1,300 μ mol/L	20 μ mol/L	20 μ L	Serum	10m
80420	Glycated Serum Protein Mouse Assay	20.0-1,300 μ mol/L	20 μ mol/L	20 μ L	Serum	10m
80430	Glycated Serum Protein Rat Assay	20.0-1,300 μ mol/L	20 μ mol/L	20 μ L	Serum	10m
80099	Hemoglobin A1c Human Assay	4.0-12.0%	4.0%	10 μ L	Whole blood	8m
80310	Hemoglobin A1c Mouse Assay	3.5-13%	3.5%	5 μ L	Whole blood	8m
80300	Hemoglobin A1c Rat Assay	3.5-13%	3.5%	5 μ L	Whole blood	8m
90156	Insulin Dog ELISA	0.1-12.8 ng/mL or 1-64 ng/mL	0.05 ng/mL	5 μ L	Cell Culture, Plasma, Serum	3h 10m
90336	Insulin Hamster ELISA	0.1-12.8 ng/mL or 1-64 ng/mL	0.05 ng/mL	5 μ L	Cell Culture, Plasma, Serum	3h 10m

DID YOU KNOW?

In 1998, Crystal Chem became the first company to develop a mouse insulin ELISA kit that used a 5uL sample

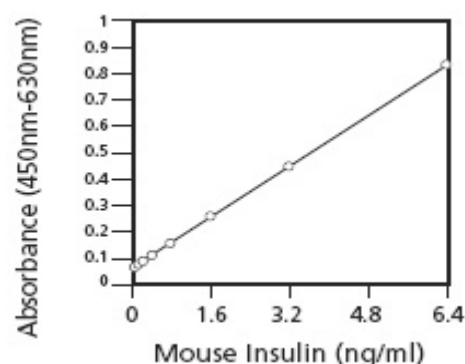
MOUSE AND RAT INSULIN ELISA KITS

Crystal Chem's mouse and rat insulin ELISA kits have been used by leading diabetes research companies for the past 15 years. Our mouse insulin kit is the most sensitive on the market and has been cited in thousands of publications around the world.

Mouse insulin kit sensitivity and ranges (using 5uL)

- Sensitivity.....0.05 ng/mL
- Wide Range Assay.....0.1-12.8 ng/mL
- High Range Assay.....1-64 ng/mL

Mouse Insulin Standard Curve



HUMAN INSULIN ELISA KIT

Crystal Chem's new human insulin ELISA kit features ~100% cross-reactivity with most therapeutic insulin analogues such as Lispro, Aspart, and Glargine. It also has virtually no cross-reactivity with other markers such as c-peptide, proinsulin, and mouse / rat insulin.

Cat #	Product Name	Assay Range	Sensitivity	Sample Size	Sample Type	Assay Time
90095	Insulin Human ELISA	0.9-220 mU/L	0.25 mU/L	25 µL	Plasma, Serum	2h 30m
90096	Insulin Human ELISA (10 Pack)	0.9 - 220 mU/L	0.25 mU/L	25 µL	Plasma, Serum	2h 30m
90080	Insulin Mouse Ultra Sensitive ELISA	0.1-12.8 ng/mL or 1-64 ng/mL	0.05 ng/mL	5 µL	Fluid, Plasma, Serum	3h 10m
90082	Insulin Mouse Ultra Sensitive ELISA (10 Pack)	0.1-12.8 ng/mL or 1-64 ng/mL	0.05 ng/mL	5 µL	Fluid, Plasma, Serum	3h 10m
90186	Insulin Rabbit ELISA	0.1-12.8 ng/mL or 1-64 ng/mL	0.05 ng/mL	5 µL	Cell Culture, Plasma, Serum	3h 10m
90010	Insulin Rat ELISA	0.156-10.0 ng/mL	0.156 ng/mL	5 µL	Fluid, Plasma, Serum	Overnight
90060	Insulin Rat Ultra Sensitive ELISA	0.1-12.8 ng/mL or 1-64 ng/mL	0.05 ng/mL	5 µL	Fluid, Plasma, Serum	3h 10m
90062	Insulin Rat Ultra Sensitive ELISA (10 Pack)	0.1-12.8 ng/mL or 1-64 ng/mL	0.05 ng/mL	5 µL	Fluid, Plasma, Serum	3h 10m
80968	Leptin Human ELISA	1-100 ng/mL	0.42 ng/mL	20 µL	Serum	1h 40m
90030	Leptin Mouse ELISA	0.2-12.8 ng/mL	200 pg/mL	5 µL	Fluid, Plasma, Serum	Overnight
90040	Leptin Rat ELISA	0.2-12.8 ng/mL	200 pg/mL	5 µL	Fluid, Plasma, Serum	Overnight

Supplying the research community for 25 years

Since the company was founded in 1989, Crystal Chem has grown to become one of leading providers of research assays



Cat #	Product Name	Assay Range	Sensitivity	Sample Size	Sample Type	Assay Time
80729	NGAL Human ELISA	0.625-20 ng/mL	0.18 ng/mL	10 µL	Plasma, Serum	1h 10m
80655	NGAL Mouse ELISA	0.125-4 ng/mL	0.065 ng/mL	2 µL	Plasma, Serum, Urine	1h 20m
80687	NGAL Rat ELISA	0.25-8 ng/mL	0.20 ng/mL	2 µL	Plasma, Serum	1h 50m
90107	Proinsulin Intact Human Chemiluminescence	0.02-100 pmol/L	0.02 pmol/L	50 µL	Plasma, Serum	3h
90105	Proinsulin Intact Human ELISA	0.3-100 pmol/L	0.3 pmol/L	50 µL	Plasma, Serum	2h 15m
90112	Proinsulin Total Human Chemiluminescence	0.25-220 pmol/L	0.25 pmol/L	50 µL	Plasma, Serum	3h
90110	Proinsulin Total Human ELISA	0.5-220 pmol/L	0.5 pmol/L	50 µL	Plasma, Serum	3h 15m
81500	PYY Human ELISA	0.08-20 ng/mL	0.08 ng/mL	50 µL	Plasma, Serum	Overnight
81501	PYY Mouse ELISA	0.15-12.5 ng/mL	0.15 ng/mL	25 µL	Plasma, Serum	Overnight
81502	PYY Rat ELISA	0.15-12.5 ng/mL	0.15 ng/mL	25 µL	Plasma, Serum	Overnight
80588	Resistin Human ELISA	20-1,000 pg/mL	12 pg/mL	10 µL	Fluid, Plasma, Serum	3h
80733	Retinol Binding Protein Human ELISA	1.56-100 ng/mL	1.17 ng/mL	5 µL	Plasma, Serum, Urine	1h 20m
80658	Retinol Binding Protein Mouse ELISA	0.63-20 ng/mL	0.16 ng/mL	5 µL	Plasma, Serum	1h 10m
80690	Retinol Binding Protein Rat ELISA	6.25-200 ng/mL	2.79 ng/mL	5 µL	Plasma, Serum, Urine	1h 30m



EASY ONLINE ORDERING AT CRYSTALCHEM.COM

You can browse all our products, see specs, and order online at www.crystalchem.com.

LEPTIN ELISA KITS

Since the discovery of leptin in 1994, it has become an important therapeutic target in the fight against diabetes and obesity.

Our mouse and rat leptin kits feature a very high sensitivity of 0.2 ng / mL using only a 5 μ L sample volume. In addition, our kits are easy to use, and no pretreatment of samples is needed.

GIP ACTIVE AND TOTAL ELISA KITS

GIP (Gastric Inhibitory Polypeptide) is a gastrointestinal hormone that modulates physiological insulin secretion.

Our recently launched GIP Active Mouse ELISA kit uses only 15 μ L sample volume, while most other kits on the market use 100 μ L. The kit is also highly specific, with close to 100% cross-reactivity with mouse GIP (1-42), and does not cross-react with mouse GIP (3-42).

Cat #	Product Name	Assay Range	Sensitivity	Sample Size	Sample Type	Assay Time
80735	Sclerostin Human ELISA	125-4000 pg/mL	54 pg/mL	125 μ L	Plasma, Serum, Urine	2h 50m
80734	Serum Amyloid A Human ELISA	1.56-100 ng/mL	0.5 ng/mL	6 μ L	Plasma, Serum	1h 30m
80659	Serum Amyloid A Mouse ELISA	31.3-2,000 ng/mL	11.0 ng/mL	5 μ L	Plasma, Serum	1h 40m
80593	Vaspin Human ELISA	10-1,000 pg/mL	4 pg/mL	25 μ L	Serum	3h 30m

CUTTING EDGE RESEARCH



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