

Chemistry Laboratory Assay List

Effective August 1, 2026

The Chemistry Laboratory of the Michigan Diabetes Research Center is offering the following assays at the indicated cost per sample. Prices apply to studies billed directly to a University of Michigan internal account (short code).

<u>Assay</u>	<u>Species</u>	<u>Type</u>	<u>Min Batch Size</u>	<u>Price per Sample</u>
ACTH	Human	Plasma (EDTA)	100	\$13.41 *
Adiponectin	Human	Serum, Plasma	40	\$22.97 *
Albumin	Human	Serum, Plasma	25	\$9.59
ALT	Human	Serum, Plasma	100	\$12.31 *
Anhydroglucitol; 1,5-	Human	Serum, Plasma	80	\$26.96 *
Apo lipoprotein AI	Human	Serum, Plasma (EDTA)	100	\$25.73 *
Apo lipoprotein B	Human	Serum, Plasma (EDTA)	100	\$21.44 *
Apo lipoprotein CIII	Human	Serum, Plasma	80	\$44.94 *
AST	Human	Serum, Plasma	100	\$12.31 *
Bile Acids (total)	Human	Serum, Plasma	150	\$16.96 *
Cholesterol, Total	Human, Rodent, Rabbit	Serum, Plasma	10	\$9.92
Cholesterol, HDL	Human, Rodent, Rabbit	Serum, Plasma	10	\$11.88
Cholesterol, LDL	Human, Rodent, Rabbit	Serum, Plasma	10	\$12.72
Corticosterone	Mouse, Rat	Serum, Plasma	80	\$14.46 *
Cortisol	Human	Serum	100	\$10.97 *
C-Peptide	Human	Serum, Plasma (Heparin)	100	\$13.88 *
C-Reactive Protein	Human	Serum, Plasma	25	\$11.98
Creatinine	Human, Rodent, Rabbit	Serum, Plasma, Urine	10	\$10.36
Cystatin C	Human	Serum, Plasma	150	\$40.82 *
D3-Hydroxybutyrate	Human	Serum, Plasma	100	\$13.55 *
DHEA-SO ₄	Human	Serum, Plasma (Heparin)	100	\$12.11 *
Estradiol	Human	Serum, Plasma (Heparin)	100	\$12.40 *
Ferritin	Human	Serum	100	\$11.22 *
Free Fatty Acids	Human, Mouse, Rat	Serum, Plasma (EDTA)	100	\$15.88 *
Fructosamine	Human, Mouse, Rat	Serum, Plasma (EDTA)	150	\$31.08 *
Gamma GT	Human	Serum, Plasma	100	\$14.72 *
Ghrelin (total)	Human, Mouse, Rat	Serum, Plasma	40	\$21.22 *
Glucagon	Human, Mouse, Rat	Serum, Plasma (+ stabilizer)	80	\$14.47 *
Glucose	Human, Rodent, Rabbit	Serum, Plasma, Urine	10	\$9.65
Growth Hormone	Human	Serum, Plasma (Heparin)	100	\$12.70 *
Hemoglobin A1c	Human	Whole Blood	5	\$19.60
IgE (total)	Human	Serum	100	\$11.67 *
IGF-1	Human	Serum, Plasma (Heparin)	100	\$16.11 *
Insulin	Human, Mouse, Rat	Serum, Plasma	30	\$9.50
Leptin	Human	Serum, Plasma	40	\$18.99 *
Lipid Profile	Human, Rodent, Rabbit	Serum, Plasma	10	\$13.62
(Includes Cholesterol, Triglycerides, HDL Cholesterol)				
Micro albumin	Human	Urine	150	\$14.95 *
Parathyroid Hormone	Human	Serum, Plasma (EDTA)	100	\$14.06 *
Progesterone	Human	Serum, Plasma (Heparin)	100	\$11.69 *
Proinsulin	Human	Serum, Plasma	80	\$15.96 *
T4 (free)	Human	Serum, Plasma (Heparin)	100	\$11.69 *
T4 (total)	Human	Serum, Plasma (Heparin)	100	\$11.15 *
Testosterone (total)	Human	Serum, Plasma (Heparin)	100	\$11.69 *
Total Protein	Human	Urine	15	\$13.83 *
Triglycerides	Human, Rodent, Rabbit	Serum, Plasma	10	\$10.35
TSH (rapid)	Human	Serum, Plasma (Heparin)	100	\$11.40 *
Urea	Human	Serum, Plasma, Urine	100	\$12.45 *

* - Pricing reflects a minimum batch size submission. Discounted rates may be available for larger bulk submissions. Contact the laboratory directly for details.

Multiplex Services

The MDRC Chemistry Laboratory offers multiplex services featuring Millipore Sigma's MILLIPLEX® catalog of panels on a Luminex™ 200™ Instrument System. These panels offer a broad selection of analytes measured from a single, small volume sample. Panels are available for human, mouse, rat, and more. Sample types include serum, plasma, and cell culture. Each panel is customizable within the group of analytes available on that particular panel. You can choose any combination (in most cases) and any number of analytes on each pre-defined panel. The panels are custom ordered from Millipore Sigma using the investigator's recharge account and are shipped directly to the MDRC Chemistry Laboratory. Each panel can analyze ~ 38 samples on the panel. We do not offer partial panel pricing, so investigators are encouraged to submit enough samples to completely fill the panel. In addition to the panel cost, each panel will be charged a labor/report writing fee of **\$450 per panel**. A list of available panels can be found in the Links and Resources section on our laboratory's iLabs webpage:

https://umich.corefacilities.org/service_center/show_external/5636/umich_mdrc_chemistry_laboratory

ELISA Services

The MDRC Chemistry Laboratory offers ELISA services as well. We have a handful of ELISA's that we offer regularly to our diabetes research community such as mouse leptin, adiponectin, c-peptide, and insulin, but we may also be able to run your specifically chosen ELISA panel. Once we determine we can run your specific ELISA panel, you can either provide the ELISA panel with the samples or we can order the panel for you. If we order the panel for you, the investigator's recharge account will be used to purchase the panel and it will be shipped directly to the MDRC Chemistry Laboratory. Panels can typically analyze 38-40 samples and we do not offer partial panel pricing, so investigators are encouraged to submit enough samples to completely fill the panel. In addition to the panel cost, each panel (supplied by you or purchased by us) will be charged a labor/report writing fee of **\$450 per panel**.

For more information about the assays, assay availability, and details of sample preparation, please contact the MDRC Chemistry Laboratory at (734) 763-1025 or email Jason Whalen (jfwhalen@umich.edu).