

LIST OF AVAILABLE ASSAYS

Assay	Methods/Platforms
25 hydroxy Vitamin D2, D3	LCMS
3-Aminopropanol	LCMS
Acetoacetate	ELISA
ACY-1215	LCMS
Acylcarnitines *	LCMS
Adiponectin	RIA
Adrenocorticotrophic Hormone	ELISA
AGE-CML	ELISA
Alisertib	LCMS
Alpha 1-Antichymotrypsin (AACT)	ELISA
Alpha 2-macroglobulin	ELISA
Alpha-Synuclein	ELISA
Alsterpaullone	LCMS
Aminoacids *	LCMS
Androstenedione	Immulite (Siemens)
Angiopietin-1 (ANG1)	ELISA
Angiopietin-2 (ANG2)	ELISA
Anti-Mullerian Hormone (AMH)	ELISA
Anti-Rheumatoid Factor IgM (RF IgM)	ELISA
Apolipoprotein A1 (Apo AI)	Integra (Roche)
Apolipoprotein AII (Apo AII)	Integra (Roche)
Apolipoprotein B (Apo B)	ELISA, Integra (Roche)
Apolipoprotein B48 (Apo B48)	ELISA
Apolipoprotein CII (Apo CII)	ELISA, Integra (Roche), LCMS
Apolipoprotein CIII (Apo CIII)	ELISA, Integra (Roche), LCMS
Apolipoprotein E (Apo E)	Integra (Roche)
Apolipoprotein Turnover Kinetics	LCMS
APP bCTF	ELISA
AR-12	LCMS
BDNF	ELISA
Beta Amyloid I-40	ELISA
Beta Amyloid I-42	ELISA
Beta-Hydroxybutyrate	ELISA
Bile Acids *	LCMS
Biocrates P180 Kit Metabolomics Panel*	LCMS
Biogenic amines *	LCMS
Biospecimen processing (Blood, Saliva, Urine)	
Bone TRAcP	ELISA

BoneALP	ELISA
Brain Natriuretic Peptide (BNP)	ELISA
BUN	Integra (Roche)
Calcium	Integra (Roche)
Carotenoids *	LCMS
Caspase-1/ICE	ELISA
Cathelicidin (LL-37)	ELISA
CCL11/Eotaxin	ELISA
CCL18/PARC	ELISA
CD14, soluble	ELISA
CD146	ELISA
CD163, soluble	ELISA
CD30	ELISA
Ceramides *	LCMS
Cholesterol	Integra (Roche)
Collagen Crosslinks Panel *	LCMS
Complement Component C4a	ELISA
Complement Component C4b	ELISA
Cortisol	Immulinite (Siemens)
Cortisol	ELISA, LCMS
Cotinine	LCMS
C-peptide	Immulinite (Siemens)
Creatinine	Integra (Roche)
CRH	ELISA
CRPhs	Integra (Roche)
C-terminal Telopeptide (CTx)	ELISA
CXCL10 / IP10	ELISA
Cyclic Citrullinated Peptide (CCP3 IgG)	ELISA
Cystatin C	Integra (Roche)
Cytokines/Chemokines Multiplex Panel	LUMINEX
D-Dimer	ELISA
DHEA	LCMS
DHEA-S	Immulinite (Siemens)
DHT, Testosterone	LCMS
DNA Methylation	LCMS
Dofetilide	LCMS
Dopamine	LCMS
Endocannabinoids *	LCMS
Endoglin	ELISA
Endothelin-1	ELISA
Epinephrine	LCMS
Erlotinib	LCMS
E-Selectin	ELISA
Estradiol	Immulinite (Siemens)
Estradiol, Progesterone, and Testosterone	LCMS
Estrone	ELISA
Estrone Sulfate	LCMS
Estrone, Estradiol, Testosterone	LCMS

Ethinyl Estradiol	LCMS
Etonogestrel	LCMS
Etoposide	LCMS
Fentanyl	LCMS
FGF-23 C-Term	ELISA
FGF-Basic	ELISA
Fibrinogen	ELISA
Fibroblast Growth Factor 21 (FGF21)	ELISA
Free Fatty Acids *	LCMS
Fructosamine	Integra (Roche)
FSH	Immulite (Siemens)
Galectin-1	ELISA
Galectin-3	ELISA
Ghrelin	RIA
GIP (Total)	ELISA
Glucagon	ELISA
Glucagon Like Peptide-1 (GLP-1)	ELISA
Glucose	Integra (Roche)
Glycerol	Colorimetric
Growth Hormone (GRH)	Immulite (Siemens)
GUCA2A	ELISA
HbA1c	Integra (Roche)
hCG	Immulite (Siemens)
HDL-C	Integra (Roche)
Hepatocyte growth factor (HGF)	ELISA
Hepcidin	ELISA
High Mobility Group Box 1 (HMGB1)	ELISA
Homocysteine	Integra (Roche)
Ibrutinib	LCMS
ICAM-1, CD54	ELISA
ICTP	RIA
I-FABP	ELISA
IFN-gamma	ELISA
IGF-1	Immulite (Siemens)
IGFBP-3	ELISA
IL-10	Immulite (Siemens)
IL-10 Hs	ELISA
IL-1b	ELISA, Immulite (Siemens)
IL-2	ELISA
IL-4 Hs	ELISA
IL-6	ELISA, Immulite (Siemens)
IL-7	ELISA
IL-8	Immulite (Siemens)
Insulin	ELISA, Immulite (Siemens)
Irisin	ELISA
Isoprostane	LCMS
Ketamine	LCMS
KU60019	LCMS

Kynurenine	LCMS
Lactate	Integra (Roche)
LDL-C direct	Integra (Roche)
Leptin	RIA
Levonorgestrel	LCMS
Lipopolysaccharide Binding Protein (LBP)	ELISA
Lipopolysaccharide (LPS)	LONZA
LL-37 / Cathelicidin	ELISA
LOC14	LCMS
LPa	LCMS
Luteinizing Hormone (LH)	Immulite (Siemens)
Matrilysin (MMP7-Total)	ELISA
Medroxy Progesterone Acetate (MPA)	LCMS
Melatonin	LCMS
MEW3144	LCMS
Midozolam Drug Panel	LCMS
Minocycline	LCMS
MIP2/CXCL2	ELISA
MMAE, Bendamustine	LCMS
MMI-270	LCMS
Neopterin	ELISA
Nerve Growth Factor (NGF)	ELISA
Neuron Specific Enolase (NSE)	ELISA
NGAL	ELISA, Integra (Roche)
N-telopeptide (NTx)	ELISA
O-75	LCMS
Organic Acids *	GCMS
Osteocalcin	ELISA
Osteoprotegerin (OPG)	ELISA
Oxytocin	ELISA
Paclitaxel	LCMS
Pancreatic Polypeptide (PP)	ELISA
Parathyroid hormone (PTH)	RIA
PCSK9	ELISA, LCMS
Pentosidine	ELISA, LCMS
Peptide YY (PYY)	RIA
Placenta Growth Factor (PLGF)	ELISA
Plasminogen Activator Inhibitor (PAI -1)	ELISA
Polyamines*	LCMS
Pralatrexate	LCMS
Procollagen I intact N-terminal (P1NP)	RIA
Progesterone	Immulite (Siemens)
Prolactin	Immulite (Siemens)
P-Selectin, soluble	ELISA
PTH-Intact	Immulite (Siemens)
PTH-Whole	RIA
RAGE	ELISA
RANKL (Total)	ELISA

Retinal, Retinol & Retinyl Ester	LCMS
Retinoic Acid Metabolites *	LCMS
Romidepsin	LCMS
Ropinirole	LCMS
S100 Calcium Binding Protein	ELISA
Sclerostin	ELISA
Serotonin	LCMS
SHBG	Immulite (Siemens)
Sirolimus/Temsirolimus	LCMS
Sphingomyelin	LCMS
Sphingosine/Spinganine	LCMS
Surfactant Protein D (SP-D)	ELISA
T3 free	Immulite (Siemens)
T3 total	Immulite (Siemens)
T4 free	Immulite (Siemens)
T4 total	Immulite (Siemens)
TAC	Colorimetric
Tamoxifen	LCMS
TARC/CCL17	ELISA
TBARS	ELISA
Testosterone	Immulite (Siemens)
TGF- β	ELISA
TNF RI, Soluble	ELISA
TNF RII, Soluble	ELISA
TNF- α	Immulite (Siemens)
Transcortin	ELISA
Transferrin	ELISA
Triglycerides	Integra (Roche)
Trimethylamine N-Oxide (TMAO)	LCMS
Troponin 1	ELISA
Tryptophan	LCMS
TSH	Immulite (Siemens)
Tumor necrosis factor α (TNF- α)	ELISA
Ulipristal acetate	LCMS
Uric acid	Integra (Roche)
μ PAR	ELISA
Vasopressin	RIA
VCAM, soluble	ELISA
VEGF	ELISA
VEGF R1/ Flt1	ELISA
Vitamin B12	Immulite (Siemens)
Vitamin B6	ELISA
Vitamin D Binding protein (VDBP)	ELISA
Vitamin D Metabolites*	LCMS
Zonulin (Haptoglobin)	ELISA

* **Targeted Metabolomic Panels:** Please contact Renu Nandakumar, PhD (rn2374@cumc.columbia.edu) for more information on the analytes included in each panel.