

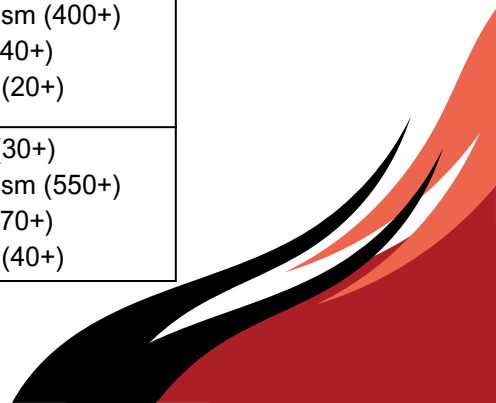
NEUROTRANSMITTERS COMPOUND LIST

Nova Medical Testing's Neuroscience solution offers five targeted pathway panels—Dopaminergic, Serotonergic, Cholinergic, Glutamatergic, and GABAergic—capturing over 1,660 metabolites and lipids central to brain signaling and health. These pathways are among the most biologically significant in neuroscience, underpinning cognition, neurotransmission, and neuroinflammation.

PANEL	COMPOUND LIST
Dopaminergic (350+ compounds)	Dopamine Dopamine 3-O-sulfate Phenethylamine Tyramine Tyramine O-sulfate Tyramine O-glucuronide N-Methyltyramine p-Octopamine 3-Methoxytyramine Adrenaline Noradrenaline Cholesterol 3-Iodothyronamine 3,4-Dihydroxyphenylethanol (DOPET) 3,4-dihydroxyphenylalanine (DOPA) 3,4-Dihydroxyphenylacetaldehyde (DOPAL) 3,4-Dihydroxyphenylacetic acid (DOPAC) 3-Methoxytyramine (3-MT) Homovanillic Acid (HVA) Tetrahydrobiopterin (BH4) Pyridoxal-5-phosphate (PLP) Anandamide (AEA) Tyrosine Metabolism (47 metabolites) Phosphatidylserine (PS) (72 lipids) Fatty Acids (67 lipids) Di-/Tripeptides (100+ peptides)
Cholinergic (380+ compounds)	Choline Acetyl-CoA Acetylcholine (ACh) Acetic acid Phosphatidylcholine (PC) (222 lipids) lysophosphatidylcholine (LPC) (53 lipids) Di-/Tripeptides (100+ peptides) Phosphorylated & charged metabolites

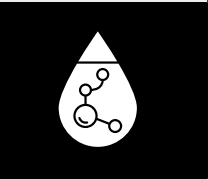
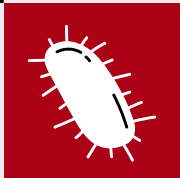
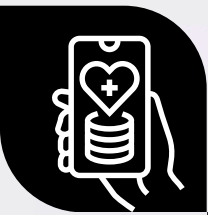
PANEL	COMPOUND LIST
Serotonergic (600+ compounds)	Serotonin (5-HT) 5-Hydroxyindoleacetaldehyde (5-HIAL) 5-Hydroxyindoleacetic Acid (5-HIAA) Melatonin (N-acetyl-5-methoxytryptamine) Sphingosine-1-phosphate (S1P) Ceramide Tryptamine Histamine Prostaglandin (PGA 2 , PGB 2 , PGC 2 , PGD 2 , PGE 2 , PGG 2 , PGH 2 , PGI 2 , PGJ 2) Tryptophan Metabolism (66 metabolites) Phosphatidylethanolamine (PE) (164 lipids) Ceramide Phosphoethanolamine (PE-CER) (53 lipids) Sphingomyelin (205 lipids) Di-/Tripeptides (100+ peptides) Phosphorylated & Charged Metabolites
Glutamatergic (120+ compounds)	Glutamic & Aspartic Acid Metabolism (15 metabolites) Glutamine Glutathione α -Ketoglutarate (α -KG) 24S-hydroxycholesterol (24-OHC) Phosphatidylinositol-3,4,5-trisphosphate (PIP 3) Di-/Tripeptides (100+ peptides) Phosphorylated & Charged Metabolites
GABAergic (110+ compounds)	Gamma-Aminobutyric acid (GABA) Succinic Semialdehyde (SSA) Succinic acid (SA) γ -Hydroxybutyric Acid (GHB) Hypotaurine Allopregnanolone Pregnanolone Pregnanolone 3-O-sulfate Pregnanolone 3-O-glucuronide Di-/Tripeptides (100+ peptides) Phosphorylated & Charged Metabolites

PANEL	TECHNOLOGY	ADD ON VALUE
Dopaminergic	1. HP-CIL Metabolomics (Elevated)	Lipid Metabolism (2500+)
Serotonergic	2. GLOBAL Lipidomics	Amino Acid Metabolism (400+)
Cholinergic	3. FOCUS Metabolomics	Energy Metabolism (40+)
	<ul style="list-style-type: none"> • Di-/Tripeptides • Ionic Metabolite Assay 	Nutrient Metabolism (20+)
Glutamatergic	1. HP-CIL Metabolomics (Comprehensive)	Steroid Metabolism (30+)
	2. FOCUS Metabolomics	Amino Acid Metabolism (550+)
GABAergic	<ul style="list-style-type: none"> • Di-/Tripeptides • Ionic Metabolite Assay 	Energy Metabolism (70+)
		Nutrient Metabolism (40+)



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From Insight To Impact



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