



NEUROTRANSMITTERS ADVANCED- Test code 4036



Turnaround Time: 12-15 business days



Specimen Type:
Dried Urine Strips

Description

Neurotransmitters are chemical messengers that play a vital role in transmitting signals within the brain and throughout the nervous system, influencing mood, behaviour and cognitive function (Teleanu et al., 2022). Common neurotransmitters such as serotonin, dopamine and GABA are crucial for regulating emotions, sleep and motivation; imbalances in these neurotransmitters can lead to a range of conditions such as anxiety, depression and attention deficit disorders (Teleanu et al., 2022).

Testing metabolites such as tryptophan, 5-HIAA and PEA provides insights into mental health, as they are involved in neurotransmitter regulation. Tryptophan is linked to serotonin production, with deficiencies contributing to depression (Teleanu et al., 2022). Kynurenine and kynurenic acid are involved in mood disorders and neuroinflammation (Teleanu et al., 2022). Glutamine imbalances affect mood and cognition (Teleanu et al., 2022). Tyrosine and dopamine metabolites like DOPAC and HVA are critical for motivation and mood regulation (Teleanu et al., 2022). Testing these markers can guide treatments for mood and cognitive disorders.

Understanding these neurotransmitter levels can guide personalised treatment strategies for restoring balance and improving overall mental well-being.

Whats included?

- Serotonin, GABA, Glutamate, Dopamine, Noradrenaline, Adrenaline, Noradrenaline/Adrenaline ratio, Glycine, Histamine, PEA, Tryptophan, 5HIAA, Taurine, Kynurenine, Kynurenic Acid, 16. 3-OH Kynurenine, Xanthurenic Acid, Glutamine, Histidine, N-methyl Histamine, Tyrosine, Tyramine, DOPAC, HVA, VMA, Normetanephtrines

Conditions and Symptoms

- Anxiety, panic attacks and depression
- Low energy or lack of motivation
- Mood swings
- Obsessive-Compulsive Disorder (OCD)
- Attention Deficit Hyperactivity Disorder (ADHD)
- Autism Spectrum Disorder (ASD)
- Alzheimer's disease

Complementary Testing

- Complete Microbiome Mapping (Test code 2206)
- Adrenocortex Stress Profile (Test code 1001)
- Hair Mineral Analysis- Level 2 (Test code 5014)

Accreditations Include:

- NATA ISO 15189 – Requirements for Quality and Competence in Medical Laboratories*
- CLIA – Clinical Laboratories Improvement Amendments*



info@nutripath.com.au



1300 688 522



www.nutripath.com.au

For more information
scan the QR code



*See NATA and CLIA website for further details