

ZRT Neurotransmitters Profile

Price: \$239.00

Short Description

Dried Urine:

Measures 26 neurotransmitters and the proteins and metabolites required to support neurotransmitter processes. Shows overall functional assessment of neurotransmitters and related enzymes. Numerous add-on tests are available. Review each add-on for specific details.

Description

How Healthy Is My Brain?

The neurotransmitter test is an assessment of your mental and emotional well-being. When you are in balance, your mood is stable, sleep is refreshing and you are thinking clearly.

We get into a rut when our neurotransmitters are out of balance. We are not motivated to work out, so we are not producing feel-good neurotransmitters, maybe we gain weight and then feel even worse. The brain controls them all, and neurotransmitters control the brain.

The good news is you can easily identify and manage neuroendocrine imbalances like **serotonin**, **dopamine**, and **epinephrine** with inexpensive, over-the-counter nutrients. That's right! Simple vitamin-store items like GABA, tryptophan, or theanine can cool down an anxious set of neuroendocrine imbalances. On the other hand, if your neurotransmitters are sluggish or depressed, you can boost them up with glutamine, tyrosine, or vitamin B6.

Consider testing if you are experiencing symptoms such as:

- depression
- anxiety
- fatigue
- insomnia
- low sex drive
- poor memory
- addictive behaviors
- ADD/ADHD
- OCD
- severe PMS/PMDD

Like hormones, neurotransmitters require a delicate balance to keep the body functioning at a peak level. When these levels become irregular, the brain gets over- or under-stimulated, resulting in neurological and psychological symptoms. For example, PEA is a biomarker for ADHD.

This thorough test from ZRT Lab shows your overall functional assessment. Your health practitioner will be able to see not only the level of each neurotransmitter and enzyme but also how they are behaving and interacting with each other.

This **Neurotransmitter Profile** test assesses a range of

neurotransmitters and their metabolites. Samples are collected from dried urine four times a day, as neurotransmitters have a short lifespan, pooling some measurements over the four snapshots helps average the results. The add-ons for this test also involve dried urine samples, except for the **Saliva Steroid Hormone** add-on, which requires both dried urine for neurotransmitters and saliva samples for steroid hormones.

GABA, Glutamate (Glu), Glycine (Gly), Dopamine (DA), Epinephrine (Epi), Norepinephrine (NE), Histamine (HIST), Serotonin (5-HT), Phenethylamine (PEA)

plus 5 Neurotransmitter Metabolites:

DOPAC, HVA, 5-HIAA, Normetanephrine (NMN), VMA

plus 11 precursor essential amino acids, needed metabolites, and synthesized proteins:

Tryptophan (Trp), Taurine (Tau), Tyrosine (Tyr), Tyramine (Tyra), Glutamine (Gln), Histidine (His), N-Methylhistamine (N-MeHist), Kynurenine (Kyn), Kynurenic Acid (KynAc), 3-Hydroxykynurenine (3-OHkyn), Xanthurenic Acid (Xanth)

plus 1 Adjunct:

Creatinine (Crtn)

Available Add-ons

For a more complete assessment of anxiety, depression, stress, menstrual cycle disorders, low libido, and appetite control:

Saliva Steroid Hormones add-on

Measures overall levels of reproductive and adrenal hormones
Estradiol (E2, an estrogen), Progesterone, Testosterone, DHEA-S, Cortisol (1x)

Canary Club add-on price - \$99

UDHI-Diurnal Cortisol add-on (Free Cortisol, Free Cortisone, Crtn) x4

for stress and adrenal fatigue (4 samples taken in a day)

Canary Club add-on price - \$129

UDHII-Diurnal Cortisol & Melatonin add-on (Free Cortisol, Free Cortisone, Melatonin (MT6s), Crtn) x4

for concerns about adrenal stress or sleep issues (4 samples taken in a day)

Canary Club add-on price - \$149

UDHIII-Diurnal Cortisol & Melatonin, Norepinephrine, & Epinephrine add-on (Free Cortisol, Free Cortisone, Melatonin (MT6s), NE, EPI, Crtn) x4

for concerns about adrenal stress or sleep issues (4 samples taken in a day)

Canary Club add-on price - \$169

7 Toxic Heavy Metals add-on (dried urine)

for toxicity in heavy metals

Contains Iodine, Selenium, Bromine, Lithium, Arsenic, Cadmium, and Mercury.

Canary Club add-on price - \$99

Add-Ons

The following are available as an add-on for Neurotransmitters.

add **Saliva Steroid Hormones** - \$99 - Concerned about hormone imbalances? Use the tube in the Neurotransmitter kit to collect a Saliva sample for Estradiol, Progesterone, Testosterone, DHEA-S & AM Cortisol.

add **UDHI-Diurnal Cortisol** - \$129 - Don't want to test Melatonin? Add only Free Cortisol & Free Cortisone x4 to the same samples being collected for Neurotransmitters.

add **UDHII-Diurnal Cortisol & Melatonin** - \$149 - For concerns

about adrenal or sleep issues, add 4-point Cortisol, Cortisone & Melatonin to the same samples being collected for Neurotransmitters.

add **UDHIII-Diurnal Cortisol, Melatonin, Norepinephrine & Epinephrine** - \$169 - For concerns about adrenal or sleep, stress issues, add Free Cortisol x 4, Free Cortisone x 4, Melatonin (MT6s) x 4, NE x 4 & Epi x 4 to the same samples being collected for Neurotransmitters.

add **7 Toxic Heavy Metals Urine Elements** - \$99 - Add tests for Iodine, Bromine, Selenium, Lithium, Arsenic, Cadmium & Mercury

Test Includes

| Lab | |
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| ZRT | Yes |
| Neurotransmitters | |
| Dopamine (DA) | Yes |
| Epinephrine (Epi) | Yes |
| Gamma-aminobutyric acid (GABA) | Yes |
| Glutamate (Glu) | Yes |
| Glycine (Gly) | Yes |
| Histamine (HIST) | Yes |
| Norepinephrine (NE) | Yes |
| Phenylethylamine (PEA) | Yes |
| Serotonin (5-HT) | Yes |
| Elements | |
| Creatinine | Yes |
| Neuro Metabolites | |
| 5-HIAA (5-Hydroxyindoleacetic Acid) is a metabolite of serotonin, a chemical/neurotransmitter that is needed | Yes |

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| by the nervous system, mainly the brain, and also needed by special cells in the lung and gastrointestinal tract. | |
| DOPAC (3,4-Dihydroxyphenylacetic acid) is a metabolite of the neurotransmitter dopamine. Dopamine serves as the reward and pleasure center in the brain. DOPAC and HVA (Homovanillic Acid) are dopamine metabolites. | Yes |
| HVA (Homovanillic acid) is a major metabolite produced by actions on dopamine. Homovanillic acid is used as a reagent to detect oxidative enzymes, and is associated with dopamine levels in the brain. | Yes |
| NMN (Nicotinamide mononucleotide) part of neurovascular coupling, a process whereby | Yes |

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| <p>blood flow to the brain increases when neural activity increases.</p> <p>Improvement of neurovascular coupling, in turn, improves brain function (cognition).</p> | |
| <p>Tryptophan (Trp) is the precursor of the monoaminergic neurotransmitter serotonin (5-hydroxytryptamine, 5-HT)</p> | Yes |
| <p>VMA (Vanilmandelate) is the metabolite of norepinephrine (noradrenaline) & epinephrine (adrenaline). They are responsible for the "fight or flight" sensations we experience during stress & anxiety.</p> | Yes |
| Sample Type | |
| Blood Spot | No |
| Dried Urine | Yes |