Science to Symptoms Introduction



- · Chronic stress causes neuroplastic changes in the brain (PVN), decreasing GABA receptor and increasing glutamate receptor expression⁵
- GABA is important for calm and sleep, glutamate is stimulating and associated with anxiousness1-4
- · Amino acid and botanical ingredients blended to induce calming brain waves, target HPA axis stress processing along with GABA and glutamate receptor activity5-10
- The Alpha GABA formula significantly reduced stress scores after one week of supplementation.23*



- Oxidative stress is directly linked to immune activation and can damage proteins, lipids, and DNA¹⁴
- · L-cysteine precursor supports endogenous antioxidant pathway, glutathione15,21
- · Coenzyme Q10 and Alpha-lipoic acid provide mitochondrial and antioxidant targeted mechanisms15-17
- Stress reducing L-theanine antagonizes excitatory glutamate receptors1,11,13*

Bermudo-Soriano C, et al. Pharmacol Biochem Behav. 2012;100:752-774.

- Petroff O. Neuroscientist. 2002;8(6):562-73.
- Mohler H. Neuropharmacol. 2012;62(1):42-53. Saper C, et al. Nature. 2005;437(7063):1257-63.2012;100:752-774.
- Herman J, et al. Prog Brain Res. 2008;170:353-64. Awad R, et al. Phytother Res. 2009;23(8):1075-81.
- Kletke O, et al. PLoS One. 2013;8(4):e61733. Auddy B, etal. JANA. 2008;11(1):50-6.
- Kakuda T, et al. Biosci Biotechnol Biochem. 2002;66(12):2683-86.
 Juneja L, et al. Trends Food Sci Tech. 1999;10:199-204.
 Meldrum BS. J Nutr. 2000;130(4S Suppl):1007S-15S.

- Meldrum BS. J. Nutr. 2000;130(45 Suppl):100/3-155.
 Lupien SJ., et al. Nat Rev Neurosci. 2009;10:434-45.
 Kimura K, et al. Biol Psychol. 2007; 74(1):39-45.
 Kasperczyk S, et al. Toxicol Appl Pharmacol. 2014;280(1):36-41.
 Schmitt B, etal. Redox Biol. 2015;6:198-205.
- Rochette L, et al. Can J Physiol Pharmacol. 2015;93(12):1021-7.
 Garrido-Maraver J, et al. Front Biosci (Landmark Ed). 2014;19:619-33.
- Monti J. Sleep Med Rev. 2011;15(4):269-81.
 Lyon MR, et al. Alt Med Rev. 2011;16(4):348-54.
- 20. KletkeO. et al. PLoS One. 2013:8(4):e61733.
- 21. Rushworth G and Megson I. Pharmacol Ther. 2014;141(2):150-9.
- Shaw K, et al. Cochrane Database Syst Rev. 2002;(1):CD003198.
 Data on file, Alpha GABA Study. 2020. NeuroScience, Osceola, WI 54020.
 Marchang L, et al. J Affect Disord. 2017;291:193-200.





- · Stress activates the hypothalamuspituitary-adrenal (HPA) axis which releases glucocorticoids that affect brain function12
- Glutamate is the primary excitatory neurotransmitter in the brain, is associated with anxiousness^{1,11}
- · L-theanine is a glutamate receptor antagonist shown to significantly reduce stress^{9,13*}
- · Contains ingredients shown to improve sleep and motor activity in children 8-12 years old19*



- · The serotonin pathway is important for regulating mood and sleep-wake function¹⁸
- · GABA is important for calm and sleep, glutamate is stimulating and associated with anxiousness and stress¹⁻⁴
- · Synergistic formula includes ingredients to simultaneously target serotonin, GABA and glutamate pathways for comprehensive symptom impact.9,13,20,22
- · The TravaCor formula improved mood and feelings of happiness while reducing hostility and anger after two weeks of supplementation.25*

Go beyond the intro, download full product specification sheets at www.neuroscienceinc.com



*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

Finding the right calming support

shouldn't be overwhelming



Let ingredient science make the connection to symptom presentations





High-dose L-theanine to induce calming brain waves^{1*}



- The desire for calm and help managing stress
- Constantly mentally engaged, ruminating thoughts



Chewable tablet for anytime dosing with stress relieving ingredients^{13*}



Restless

- Would like to turn off to-do list
- Downshift from agitation to baseline
- Ingredients studied in children (8-12 years old)^{19*}

Symptom depictions (above) represent a possible presentation; please see back page for referenced scientific claims

Calm G

Calming support with mitochondrial and antioxidant boosts*



- Downshift from agitation/overdrive to baseline
- Seeking support for oxidative stress balancing and cellular aging
- May have immune activity or irritation*

TravaCor

Synergistic blend that improves mood and reduces feelings of hostility^{25*}



Irritable, sad, or even angry

- Low mood, desires more positive feelings
- Agitated or stressed, desires calmer days and more restful nights



Formula and ingredient data