

OXYTOCIN

Oxytocin is a peptide hormone comprising 9 amino acids. It is produced in the hypothalamus and stored and secreted by the posterior lobe of the pituitary gland and synthesized in other organs such as the uterus, ovaries, placenta, heart, blood vessels, skin, kidneys, and testis. Receptors of oxytocin are present on myoepithelial (specialized muscle like cells), heart, blood vessels, macrophages, thymus, pancreas, kidneys, and adipocytes (fat cells).



Oxytocin is often referred to as the “love hormone” due to its role in social bonding, emotional regulation, and reproductive processes. While commonly associated with childbirth and lactation, oxytocin has broader therapeutic applications, particularly in reducing anxiety, promoting emotional well-being, and supporting cognitive function. Bio- identical Oxytocin is used in various therapeutic settings for its potential benefits in mental health, social interaction disorders, and pain management.

Benefits of Oxytocin

- **Social/ Emotional Bonding-** Activates specific brain regions such as the amygdala and prefrontal cortex, which are involved in emotional processing, empathy, and social cognition, thus facilitating the interpersonal connections and trusts
- **Stress and Anxiety-** Modulates the activity of the hypothalamic-pituitary-adrenal and enhancing the parasympathetic nervous system’s response, leading to a decrease in cortisol levels.
- **Aids digestion and regulates motility-** Interacts gastrointestinal tract receptors promoting smooth muscle contractions that facilitate food movement and digestion. Modulates inflammation in the gut.
- **Enhanced Confidence-** Modulates the brain’s limbic system that influences self-perception. Reduces social anxiety, regulates emotions, increases self-assurance, and enhances self esteem in high pressure situations.



*Single shot starting at \$27, starting at \$270 for a 10 day boost. Prices subject to change. *



Chiropractic & Nutrition Center