Epithalon

PEPTIDES

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IMPORTANT: Read This Before Proceeding With Dosing Go to the Prep & Injection Guide for proper reconstitution, syringe sizing, and injection protocols. Mistakes here can compromise your research. Epithalon (also Epitalon) is a synthetic peptide that mimics epithalamin, a polypeptide found in the pineal gland. This boosts the body's natural production of telomerase, an enzyme that helps cells produce telomeres. These telomeres act as cap protectors of our DNA that become worn out during DNA replication (the replication process is essential for cell division during the growth or repair of damaged tissues in the body). The length of telomeres, important cellular structures whose structural integrity is essential for maintaining cell viability, shortens as we age, since they get shorter every time they divide until they are so stubby that your cells stop dividing. That point in which the cells stop dividing is associated with a number of health conditions (e.g. cancer and cardiovascular disease) and a diminished lifespan. The good news is that not only can we preserve these telomeres, science has found ways to elongate them, extending the lifespan of the DNA and allowing it to replicate cells more efficiently. BENEFITS Suppresses the CCI11 and HMGH1 genes, regulating gene expression (the cell's way of managing the amount any timing of the products created by our genes) and protein synthesis, increasing the lifespan of its subjects. This control is crucial because it allows cells to produce the necessary gene products when they are needed, allowing cells to adapt to a changing environment, respond to signals, and handle damage and other triggers. Protein synthesis is a core biological process occurring inside the cells, which balances the loss of cellular proteins through the production of new proteins. Patients who cycled Epithalon twice a year for 3 years were evaluated 12 years afterwards, at which time it was discovered that they had experienced a 28% lower rate of overall mortality than their control group counterparts. Inhibits carcinogenic receptor expression, leading to anti-tumor effects in breast and colorectal cancer. Helps to fight hormone-dependent tumors. Already adopted by the Russian medical industry for the inhibition of tumor development. Regulates biomolecules involved in the inflammation process, such as cytokines and C-reactive proteins — this helps to treat conditions like rheumatoid arthritis and ulcerative colitis. Oxidative stress accelerates aging, and Epithalon suppresses oxidative stress markers and prevents DNA damage in animal studies Increases levels of melantonin, which leads to improved sleep cycles Treats anovulatory infertility, a condition where women struggle to become pregnant due to the absence of ovulation, often caused by hormonal imbalance Counteracts cellular senescence, preventing age-related decline and disease. Stimulates DNA repair; by stimulating DNA repair mechanisms in cells, Epithalon helps to fix some of these errors. Has even been proven to protect against radiation exposure induced DNA damage. Improves retention and recall. Protects neurons from age-related dysfunction. Increases dendritic

spines and branches in the brain, improving neuronal signaling and plasticity Maintains circadian rhythms and hormone balance in the brain Balances out programmed cell death so that cells live for just the right amount of time May have therapeutic effects on anxiety, depression, and emotional regulation due to its impact on stress hormones and neuronal health SIDE EFFECTS Injection side reaction (redness, swelling, and/or itching), usually resolved within 3 days. No other notable side effects. CONTRAINDICATIONS Not recommended for those with active cancer or seizure disorders. EPITHALON: RECONSTITUTION, DOSING, AND MISC. CONSIDERATIONS Repeat cycle 2-3 times per year Dose at night, ideally 30-60 minutes before going to bed May take with or without food Intramuscular *or Subcutaneous Administration (*Intramuscular administration preferred) EPITHALON: 10MG PROTOCOLS The “Ukranian Protocol” (Recommended 1st Cycle) Mix with 1mL (100 units) of BAC water Day 1: 100 units (10mg) Day 5: 100 units (10mg) Day 9: 100 units (10mg) Day 13: 100 units (10mg) Day 17: 100 units (10mg) Standard Protocol Mix with 1mL (100 units) of BAC water Take 50 units (5mg) once per day for 20 consecutive days Microdose Protocol Mix with 3mL (300 units) of BAC water Take 3 units (100mcg) once per day for 6 weeks Maximum Protocol Mix with 1mL (100 units) of BAC water Take 100 units (10mg) once per day for 10 consecutive days EPITHALON: 50MG PROTOCOLS The “Ukranian Protocol” (Recommended 1st Cycle) Mix with 3mL (300 units) of BAC water Day 1: 60 units (10mg) Day 5: 60 units (10mg) Day 9: 60 units (10mg) Day 13: 60 units (10mg) Day 17: 60 units (10mg) Standard Protocol Mix with 3mL (300 units) of BAC water Take 30 units (5mg) once per day for 10 consecutive days Maximum Protocol Mix with 3mL (300 units) of BAC water Take 60 units (10mg) once per day for 10 consecutive days.