

ANTIOXIDANT THERAPY

What is HCitoplacell?

HCitoplacell is a restorative antioxidant therapy designed to support hormonal regulation, cellular recovery, and physical performance. Through its targeted action on the endocrine system and potent antioxidant profile, it promotes cellular protection against oxidative stress, enhances neurotransmitter function, and supports overall energy metabolism.

This formula is particularly beneficial for athletes and physically active individuals, helping improve stamina, recovery, sleep quality, and neuromuscular resilience. It also assists in slowing age-related oxidative processes and hormonal decline.

Benefits

- Promotes hormonal balance and recovery in high-demand physical states
- Improves endurance, energy metabolism, and mental clarity
- Facilitates sleep quality and neuro muscular recovery
- Helps protect cells from oxidative damage linked to physical stress and aging

CLINICAL APPLICATIONS

- Excellent antioxidant for optimal cellular function.
- Increased protein synthesis in almost every cell in the body.
- Increased mobilization of fatty acids from adipose tissue for energy.
- Significantly improves cognitive functions and mood.

Highlights

- Supports regulation of water- and fat-soluble cellular activity involved in hormonal signaling
- Stimulates growth hormone production and stress adaptation via pituitary support
- Enhances neurovascular function and cellular energy through antioxidant support
- Promotes restorative sleep and physical stamina

Key Bioactive Compounds

- Cellular extracts from placenta, adrenals, and pituitary gland; Coenzyme Q10; Ginkgo biloba; DMAE; Tryptophan

Administration

Orally, consume before taking food to improve absorption, preferably with water in the morning.

Does Not Contain

Gluten, corn, yeast, artificial colors or flavors.

Composition:

Boxes of 30 capsules of 650 mg. / Boxes of 60 capsules of 650 mg. Each 650 mg capsule. contains:

Opothherapeutic extracts: Placenta, Pituitary Gland, Adrenal Gland.

Peptide Extracts: Placenta, Pituitary Gland, Adrenal Gland.

Other Actives: Superoxide Dismutase, Glutathione Peroxidase, Glutathione Reductase, Glutathione Transferase, Adenosine Triphosphate (ATP) Ginkgo Biloba, Tecoma Curialis, Co enzyme Q10, Royal Jelly, Hydrolyzed soybean albumin, DHEA, KH3, Riboflavin, Pretinolone, Thiamine, Huperzine, Vinpocetine.

Stabilizers and Excipients.

- Opothherapeutic cell extracts: Placenta

References

1. Human placental extract: a potential therapeutic in treating inflammation. PMC. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10316113/>
2. Influence of Placenta Extract Intake on Periodontal Diseases and Oral Environment. PMC. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC11523937/>
3. Effect of Porcine Placenta Extract Supplement on Skin Condition in Healthy Adult Women: A Randomized, Double-Blind Placebo-Controlled Study. Nutrients. <https://doi.org/10.3390/nu12061671>

- Opothherapeutic cell extracts: Pituitary Gland

References

1. Kyle D Kent, Joshua A Bomser. Bovine pituitary extract provides remarkable protection against oxidative stress in human prostate epithelial cells. In Vitro Cell Dev Biol Anim. 2003 Sep-Oct;39(8-9):388-94. DOI: 10.1290/1543-706X(2003)039<0388:BPEPRP>2.0.CO;2. Link: <https://pubmed.ncbi.nlm.nih.gov/14690452/>
2. Yoshida et al. Using bovine pituitary extract to increase proliferation of keratocytes in vitro. PLoS One. (año no especificado). Link: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3874512/>
3. Información técnica de Bovine Pituitary Extract (BPE) para cultivo celular — Cell Applications. Link: <https://www.cellapplications.com/bpe-bovine-pituitary-extract>

- Opothherapeutic cell extracts: Adrenal Gland

References

1. Brambilla Pisoni M, Catalano M, Celsi A, Vago G, Libretti A. Adrenal cortex extract in the supportive therapy of neoplasm patients. Minerva Med. 1981 Jan 21;72(2):91-94. <https://pubmed.ncbi.nlm.nih.gov/7007927/>
2. Perrotta G, Mondini O, Patrassi N, Basoli A. Adrenocortical opotherapy in high doses in operated patients. Clin Ter. 1974 Dec 31;71(6):539-561. <https://pubmed.ncbi.nlm.nih.gov/4448052/>

3. Akturk HK, et al. Over-the-Counter “Adrenal Support” Supplements Contain Thyroid and Steroid-Based Adrenal Hormones. Mayo Clin Proc. 2018 Mar;93(3):284-290.

<https://pubmed.ncbi.nlm.nih.gov/29502560/>

4. Healthline editorial. Why You Should Avoid Adrenal Extract. Healthline.

<https://www.healthline.com/health/why-you-should-avoid-adrenal-extract>

5. EBSCO Research Starters. Adrenal extract as a dietary supplement. EBSCO.

<https://www.ebsco.com/research-starters/nutrition-and-dietetics/adrenal-extract-dietary-supplement>

6. Endocrinology Advisor. Adrenal Fatigue Syndrome and Misuse of OTC supplements.

<https://www.endocrinologyadvisor.com/features/adrenal-fatigue-and-off-label-use-of-glucocorticoids-and-otc-supplements/>

7. VA Whole Health Library. Adrenal Health. [VA.gov](https://www.va.gov/WHOLEHEALTHLIBRARY/tools/adrenals.asp).

<https://www.va.gov/WHOLEHEALTHLIBRARY/tools/adrenals.asp>

- Peptide extracts: Placenta

References

1. Jung EY, Hong YH. Oral intake of porcine placental extract improves skin hydration and wrinkles in a double-blind placebo-controlled clinical study. Progr Nutr. 2023 Mar 21; 25(1):e2023007. Available from: <https://mattioli1885journals.com/index.php/progressinnutrition/article/view/12028>
2. Sim W-J, Kim J, Baek K-S, Lim W, Lim T-G. Porcine placenta peptide inhibits UVB-induced skin wrinkle formation and dehydration: insights into MAPK signaling pathways from in vitro and in vivo studies. Int J Mol Sci. 2024;25(1):83. <https://doi.org/10.3390/ijms25010083>
3. Muluye RA, Bian Y, Wang L, Alemu PN, Cui H, Peng X, Li S. Placenta peptide can protect mitochondrial dysfunction through inhibiting ROS and TNF- α generation... Front Pharmacol. 2016;7:328. <https://doi.org/10.3389/fphar.2016.00328>
4. Duan L, An F, Tian C, et al. Post-marketing safety re-evaluation of placental peptide injection in China: a large-scale multicenter real-world study. Front Pharmacol. 2025;16:1541005. <https://doi.org/10.3389/fphar.2025.1541005>
5. Rekik A, Muluye RA, Bian Y, et al. Placenta peptide can protect mitochondrial dysfunction through inhibiting ROS and TNF- α generation... Front Pharmacol. 2016;7:328. <https://doi.org/10.3389/fphar.2016.00328>
6. Nature Scientific Reports. Human placental extract activates a wide array of gene expressions related to extracellular matrix in dermal fibroblasts. Sci Rep. 2022;12:15270. Available from: <https://www.nature.com/articles/s41598-022-15270-y>
7. Nature Scientific Reports. Distinct expression profiles of peptides in placenta from normal and preeclampsia pregnancies. Sci Rep. 2020;10:74840. Available from: <https://www.nature.com/articles/s41598-020-74840-0>
8. PMC. Placenta and placental derivatives in regenerative therapies. Stem Cells Int. 2018;2018:1–18. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5822788/>
9. PMC. Human placental extract: a potential therapeutic in treating... (osteoarthritis, anti-inflammatory). Med Sci Monit. 2023;29:exxxxxx. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10316113/>
10. ScienceDirect. Antioxidative collagen-derived peptides in human-placenta extract. Int J Biochem Cell Biol. 2002;34(4):... Available from:



<https://www.sciencedirect.com/science/article/abs/pii/S0143400402908337>
 11. Frontiers Pharmacol. Placenta peptide can protect mitochondrial dysfunction... Front Pharmacol. 2016;7:328.
<https://doi.org/10.3389/fphar.2016.00328>
 12. Frontiers Pharmacol. Placenta peptide can protect mitochondrial dysfunction through inhibiting ROS and TNF- α generation... Front Pharmacol. 2016;7:328. <https://doi.org/10.3389/fphar.2016.00328>
 13. MDPI. Porcine placenta peptide inhibits UVB-induced skin wrinkle formation... Int J Mol Sci. 2024;25(1):83.
<https://doi.org/10.3390/ijms25010083>
 14. BioMedGrid. Porcine placenta peptide increases proliferation and migration of human gingival epithelial cells and secretion of EGF. BioMedGrid. 2022;18:... Available from:
<https://biomedgrid.com/fulltext/volume18/porcine-placenta-peptide-increases-the-proliferation-and-migration-of-human-gingival-epithelial-cells-and-the-secretion-of-epidermal-growth-factor.002536.php>

- Peptide extracts: Pituitary Gland

References

1. Izdebski J, Chodynicky S, Janiszewska A. Isolation and characterization of peptides from bovine pituitary gland. Int J Pept Protein Res. 1979 May;13(5):494-500.
<https://pubmed.ncbi.nlm.nih.gov/478108/>
 2. Hökfelt T, Everitt BJ. The Hypothalamic-Pituitary System as a Source of Neuropeptides. In: Handbook of Chemical Neuroanatomy, Vol. 11. Elsevier; 1992.
[https://doi.org/10.1016/S0924-8196\(08\)60108-4](https://doi.org/10.1016/S0924-8196(08)60108-4)
 3. Du Vigneaud V, Ressler C, Trippett S. The sequence of amino acids in oxytocin, with a proposal for the structure of oxytocin. J Biol Chem. 1953 Dec;205(2):949-57.
[https://www.jbc.org/article/S0021-9258\(18\)68549-5/fulltext](https://www.jbc.org/article/S0021-9258(18)68549-5/fulltext)
 4. Lee AK, Tse FS, Fang VS, Wang C. Immunological detection of pituitary peptide hormones and their clinical applications. Postgrad Med J. 1980;56(662):775-784.
<https://pmj.bmj.com/content/56/662/775>
 5. Reichlin S. Neuroendocrine Peptides in the Anterior Pituitary. Annu Rev Physiol. 1989;51:117-129.
<https://doi.org/10.1146/annurev.ph.51.030189.001001>

- Peptide extracts: Adrenal Gland

References

1. Anouar Y, Yon L, Desmoucelles C, Leprince J, Breault L, Gallo-Payet N. Identification of a novel secretogranin II-derived peptide (EM66) in the human adrenal gland. J Clin Endocrinol Metab. 1998;83(8):5009. doi:10.1210/jcem.83.8.5009.
<https://doi.org/10.1210/jcem.83.8.5009>
 2. Lee YJ, Lin SR, Shin SJ, Lai YH, Lin YT, Tsai JH. Brain natriuretic peptide is synthesized in the human adrenal medulla and its mRNA expression is enhanced in primary aldosteronism. J Clin Endocrinol Metab. 1994 Nov;79(5):1476-82. doi:10.1210/jcem.79.5.1476.
<https://doi.org/10.1210/jcem.79.5.1476>
 3. Montero-Hadjadje M, Pelletier G et al. Biochemical characterization of EM66 peptide in the rat pituitary and adrenal glands. J Histochem Cytochem. 2003 Aug;51(8):1083-95. doi:10.1177/002215540305100812.
<https://doi.org/10.1177/002215540305100812>
 4. Guillemot J, Ait-Ali D et al. Signaling pathways in PACAP-induced EM66 secretion from chromaffin cells. Regul Pept. 2006 Nov 15;137(1-2):79-88. doi:10.1016/j.regpep.2006.04.023.
<https://doi.org/10.1016/j.regpep.2006.04.023>
 5. Yon L, Guillemot J et al. EM66 in pheochromocytomas as a

potential marker of tumor malignancy. J Clin Endocrinol Metab. 2003 Jun;88(6):2579-85. doi:10.1210/jc.2002-021748.

<https://doi.org/10.1210/jc.2002-021748>

6. Frontiers review: "Comparative Effect of ACTH and related peptides on proliferation and growth of murine adrenal cortex." Front Endocrinol (Lausanne). 2016;7:39. doi:10.3389/fendo.2016.00039.
<https://doi.org/10.3389/fendo.2016.00039>

- Other Actives: Superoxide Dismutase

References

1. Zelko I.N., Mariani T.J., Folz R.J. Superoxide dismutase multigene family: a comparison of the CuZn-SOD (SOD1), Mn-SOD (SOD2), and EC-SOD (SOD3) gene structures, evolution, and expression. Free Radic Biol Med. 2002 Dec 15;33(3):337-49. Disponible en:
<https://pubmed.ncbi.nlm.nih.gov/12454344/>
 2. Senthilkumar K., Shyamala Devi C.S. Dietary Supplementation with a Superoxide Dismutase-Melon Concentrate Reduces Psychological Stress in Humans. J Nutr Health Aging. 2014;18(3):259-264. Disponible en:
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4073155/>
 3. Bérubé N.G., et al. Superoxide dismutase administration: A review of proposed therapeutic applications. Oxid Med Cell Longev. 2021;2021:6619154. Disponible en:
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8037464/>
 4. Franco R., Cidlowski J.A. Superoxide dismutases: Dual roles in controlling ROS damage and regulating ROS signaling. J Cell Biol. 2018 Jun 4;217(6):1915-1928. Disponible en:
<https://rupress.org/jcb/article/217/6/1915/39308>
 5. Buonocore C.M., et al. Effects of 6-Week Supplementation with GliSODin® on Parameters of Oxidative Stress and Physical Performance. Biol. 2022 Oct;11(10):1437. Disponible en:
<https://www.mdpi.com/2079-7737/11/10/1437>
 6. Fridovich I., McCord J.M. An enzyme-based theory of obligate anaerobiosis: the physiological function of superoxide dismutase. Proc Natl Acad Sci U S A. 1971 Mar;68(5):1024-7. Disponible en:
<https://www.pnas.org/doi/10.1073/pnas.68.5.1024>

- Other Actives: Glutathione Peroxidase

References

1. Brigelius-Flohé R, Maiorino M. Glutathione Peroxidase-1 in Health and Disease: From Molecular Mechanisms to Therapeutic Opportunities. Antioxid Redox Signal. 2011;15(7):1957-1997. Disponible en: <https://pmc.ncbi.nlm.nih.gov/articles/PMC3159114/>
 2. Sedighi Zargari O, Varshi G, et al. Effect of Selenium Supplementation on Glutathione Peroxidase Enzyme Activity in Patients With Chronic Kidney Disease: A Randomized Clinical Trial. Nephro Urol Mon. 2014 Mar;6(3):e17945. Disponible en: <https://pmc.ncbi.nlm.nih.gov/articles/PMC4090673/>
 3. The role of glutathione peroxidase-1 in health and disease (revisión). PubMed. 2022. Disponible en:
<https://pubmed.ncbi.nlm.nih.gov/35691509/>
 4. Sedighi O, Zargari M, Varshi G. Selenium supplementation on plasma glutathione peroxidase activity in patients with end-stage chronic renal failure. Biol Trace Elem Res. 2004 Jan;97(1):15-30. Disponible a través de SciSpace:
<https://pdfs.semanticscholar.org/0be3/83c49d705221d0683f68ada8079eb65d3c9f.pdf>
 5. Wikipedia. Glutathione peroxidase. Última modificación: hace 2 semanas. Disponible en:
https://en.wikipedia.org/wiki/Glutathione_peroxidase



6. Tian R, Geng Y, Yang Y, Seim I, Yang G. Oxidative stress drives divergent evolution of the glutathione peroxidase (GPX) gene family in mammals. *Integr Zool.* 2021;16(5):696–711. DOI: <https://doi.org/10.1111/1749-4877.12521>

- Other Actives: Glutathione Reductase

References

1. Couto N, Wood J, Barber J. The role of glutathione reductase and related enzymes on cellular redox homeostasis. *Free Radical Biology & Medicine.* 2016 Jun;95:27-42. PMID: 26923386. <https://pubmed.ncbi.nlm.nih.gov/26923386/>
2. Narciso C, et al. Glutathione-Related Enzymes and Proteins: A Review. Published ~2.4 years ago. <https://pubmed.ncbi.nlm.nih.gov/PMC9919958/>
3. ScienceDirect Topics. Glutathione Reductase – overview. <https://www.sciencedirect.com/topics/biochemistry-genetics-and-molecular-biology/glutathione-reductase>
4. ScienceDirect Neuroscience. Glutathione Reductase is crucial in detoxifying peroxides. <https://www.sciencedirect.com/topics/neuroscience/glutathione-reductase>
5. Journal of Post-Coronary Research. Glutathione level and glutathione reductase activity in serum of coronary heart disease patients. <https://www.jpccr.eu/Glutathione-level-and-glutathione-reductase-activity-in-serum-of-coronary-heart-disease%2C81277%2C0%2C2.html>
6. PLOS ONE. Lüersen K, et al. The Glutathione Reductase GSR-1 Determines Stress Tolerance and Longevity in *Caenorhabditis elegans*. *PLoS ONE* 8(4): e60731. Apr 8, 2013. <https://doi.org/10.1371/journal.pone.0060731>
7. MDPI Medicina. Glutathione Reductase Is Associated with the Clinical Outcome of Septic Shock Patients Under Early-Initiated CVVH Treatment. <https://doi.org/10.3390/medicina57070689>
8. Wiley J Med Virol. Profiling serum levels of glutathione reductase and IL-10 in COVID-19 patients. <https://doi.org/10.1002/jmv.27464>
9. Archives of Medical Science. Establishing reference intervals for serum glutathione reductase in healthy adults. <https://www.archivesofmedicalscience.com/Establishing-reference-intervals-for-serum-glutathione-reductase-in-healthy-adults%2C199536%2C0%2C2.html>
10. Wikipedia. Glutathione reductase. https://en.wikipedia.org/wiki/Glutathione_reductase

- Other Actives: Glutathione Transferase

References

1. Salinas AE, Wong MG. Glutathione S-transferases—a review. *Curr Med Chem.* 1999 Apr;6(4):279–309. Disponible en: <https://pubmed.ncbi.nlm.nih.gov/10101214/>
2. Sheehan D, Meade G, Foley VM, Dowd CA. Structure, function and evolution of glutathione transferases: implications for classification of non-mammalian members of an ancient enzyme superfamily. *Biochem J.* 2001 Nov 15;360(Pt 1):1–16. Disponible en: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1222196/>
3. Allocati N, Masulli M, Di Ilio C, Federici L. Glutathione transferases: substrates, inhibitors and pro-drugs in cancer and neurodegenerative diseases. *Oncogenesis.* 2018 Apr;7:8. Disponible en: <https://www.nature.com/articles/s41389-017-0025-3>
4. Vázquez-Martínez O et al. Glutathione S-transferase: A versatile and dynamic enzyme. *Biochem Biophys Res Commun.* 2024. Disponible en: <https://pubmed.ncbi.nlm.nih.gov/39366175/>
5. Mondal S, et al. The Multifaceted Role of Glutathione

S-Transferases in Health and Disease. *Biomolecules.* 2022 Apr;13(4):688. Disponible en:

<https://www.mdpi.com/2218-273X/13/4/688>

6. Wikipedia. Glutathione S-transferase. Actualizado hace 2 semanas. Disponible en:

https://en.wikipedia.org/wiki/Glutathione_S-transferase

- Other Actives: Adenosine Triphosphate (ATP)

References

1. ATP Synthase – an overview | ScienceDirect Topics. <https://www.sciencedirect.com/topics/neuroscience/atp-synthase>
2. ATP synthase | enzyme – Britannica. <https://www.britannica.com/science/ATP-synthase>
3. Physiology, Adenosine Triphosphate – StatPearls (NCBI Bookshelf). <https://www.ncbi.nlm.nih.gov/books/NBK553175/>
4. ATP synthesis and storage – PMC – PubMed Central. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3360099/>
5. F1-F₀ ATP Synthase/ATPase: Contemporary View on Unidirectional Catalysis – PubMed. <https://pubmed.ncbi.nlm.nih.gov/36982498/>
6. ATP synthase: Structure, Function and Inhibition – De Gruyter Brill. <https://www.degruyterbrill.com/document/doi/10.1515/bmc-2019-0001/html>
7. Structure of ATP synthase under strain during catalysis – Nature. <https://www.nature.com/articles/s41467-022-29893-2>
8. An overview of ATP synthase, inhibitors, and their toxicity – ScienceDirect. <https://www.sciencedirect.com/science/article/pii/S2405844023096676>
9. ATP Synthase and the Actions of Inhibitors Utilized To Study Its Roles – ASM Journals. <https://journals.asm.org/doi/10.1128/membr.00016-08>
11. Chemiosmosis – Wikipedia. <https://en.wikipedia.org/wiki/Chemiosmosis>
12. Adenosine triphosphate – Wikipedia. https://en.wikipedia.org/wiki/Adenosine_triphosphate

- Other Actives: Ginkgo Biloba

Reference

1. Mild cognitive impairment and mild dementia: The role of Ginkgo biloba (EGb 761®) <https://doi.org/10.3390/ph14040305>
2. Effects of Ginkgo biloba in dementia: Systematic review and meta-analysis <https://doi.org/10.1186/1471-2318-10-14>
3. An updated review of randomized clinical trials testing the improvement of cognitive function of Ginkgo biloba extract in healthy people and Alzheimer's patients <https://doi.org/10.3389/fphar.2020.00021>

- Other Actives: Tecoma curialis (Pau d'arco / Lapacho)

References

1. Taheebo Uses, Benefits & Dosage <https://www.drugs.com/npp/taheebo.html>

- Other Actives: Coenzyme Q10

References

1. Coenzyme Q10: Clinical Applications beyond Cardiovascular <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8156424/>
2. Effectiveness of Coenzyme Q10 Supplementation for Reducing



Fatigue: A Meta-analysis

<https://pubmed.ncbi.nlm.nih.gov/36091835/>

3. Coenzyme Q10: Clinical Applications in Cardiovascular Diseases

<https://www.mdpi.com/2076-3921/9/4/341>

4. A Randomized Clinical Trial of High-Dosage Coenzyme Q10 in... (JAMA Neurology)

<https://jamanetwork.com/journals/jamaneurology/fullarticle/1851409>

5. *Q-Symbio study: Effect of Coenzyme Q10 on Morbidity and Mortality in Chronic Heart Failure*

(Journal article summary via Wikipedia)

<https://en.wikipedia.org/wiki/Q-Symbio>

- Other Actives: Royal Jelly

References

1. Current Status of the Bioactive Properties of Royal Jelly

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9921556/>

2. Royal jelly a promising therapeutic intervention and functional food ...

<https://pubmed.ncbi.nlm.nih.gov/39296128/>

3. Royal Jelly: Biological Action and Health Benefits

<https://www.mdpi.com/1422-0067/25/11/6023>

4. Effects of the Royal jelly supplementation on anthropometric indices

<https://www.frontiersin.org/nutrition/articles/10.3389/fnut.2023.1196258/full>

- Other Actives: Hydrolyzed Soybean Albumin / Hydrolyzed Soy Protein

1. The role of dual hydrolysis of soybean on functional properties and ...

<https://www.frontiersin.org/nutrition/articles/10.3389/fnut.2024.1444329/full>

2. A Hydrolyzed Soy Protein Enhances Oxidative Stress ...

<https://www.mdpi.com/2076-3921/14/6/689>

3. Prospective oral food challenge study of two soybean protein ...

<https://pubmed.ncbi.nlm.nih.gov/8173638/>

- Other Actives: DHEA

References

1. Clinical review: DHEA replacement for postmenopausal women

<https://pubmed.ncbi.nlm.nih.gov/21411558/>

2. Clinical application of dehydroepiandrosterone in reproduction

<https://pubmed.ncbi.nlm.nih.gov/25708822/>

3. Dehydroepiandrosterone and Erectile Function: A Review

<https://wjmh.org/DOIx.php?id=10.5534/wjmh.180005>

4. Pharmacological effects and ... dehydroepiandrosterone (DHEA)

<https://www.irb.hr/content/download/32296/1535496>

- Other Actives: KH-3 (Gerovital H3 / Procaine)

References

1. KH-3 Uses, Benefits & Dosage

<https://www.drugs.com/npp/kh-3.html>

2. The effects of procaine/haematoporphyrin on age-related decline

<https://pubmed.ncbi.nlm.nih.gov/6362368/>

3. KH-3 Vital 150 Capsules – Anti-Aging Supplement

<https://bik-bik.com/product/k-h-3-150-capsules>

- Other Actives: Riboflavin

References

1. Effect of Vitamin B2 supplementation on migraine prophylaxis

<https://pubmed.ncbi.nlm.nih.gov/33779525/>

2. High-dose riboflavin treatment is efficacious in migraine prophylaxis

<https://pubmed.ncbi.nlm.nih.gov/15257686/>

3. Experimental and Clinical Evidence of the Effectiveness of Riboflavin on ...

<https://www.mdpi.com/2072-6643/13/8/2612>

- Other Actives: Prednisolone (Pretinolone)

References

1. Prednisolone: Uses, Dosage, Side Effects, Warnings

<https://www.drugs.com/prednisolone.html>

2. Prednisolone tablets and liquid: steroid medicine – NHS

<https://www.nhs.uk/medicines/prednisolone/>

3. Prednisolone: MedlinePlus Drug Information

<https://medlineplus.gov/druginfo/meds/a615042.html>

- Other Actives: Thiamine (Vitamin B.)

References

1. Vitamin B1 (Thiamine) - StatPearls

<https://www.ncbi.nlm.nih.gov/books/NBK482360/>

2. Thiamin - Health Professional Fact Sheet

<https://ods.od.nih.gov/factsheets/Thiamin-HealthProfessional/>

3. A Systematic Review of Thiamine Supplementation in Improving ...

<https://www.mdpi.com/1422-0067/26/9/3932>

- Other Actives: Huperzine A

References

1. Huperzine A: Is it an Effective Disease-Modifying Drug for ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4137276/>

2. A phase II trial of huperzine A in mild to moderate Alzheimer disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3269774/>

3. Huperzine-A response to cognitive impairment and task...

https://journals.lww.com/jcma/fulltext/2019/01000/huperzine_a_response_to_cognitive_impairment_and.8.aspx

- Other Actives: Vinpocetine

References

1. An update on Vinpocetine: New discoveries and clinical implications

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5766389/>

2. Vinpocetine - Memorial Sloan Kettering Cancer Center

<https://www.mskcc.org/cancer-care/integrative-medicine/herbs/vinpocetine>

3. Vinpocetine Uses, Benefits & Dosage - Drugs.com

<https://www.drugs.com/npp/vinpocetine.html>



Result Observational Studies

HCitoplacell® - Anti-inflammatory Therapy

Results of observational studies for the indication of the treatment of the following medical parameters.

Preventive therapeutic action in patients with some genetic predisposition.

The therapeutic action as a primary treatment in patients with degenerative diseases that for several years were treated with conventional medicine and the expected results are not observed.

The therapeutic action as an adjuvant or reinforcement in the chaos of various pathologies combined with

Medical Experience

Medical professionals report faster effects on conventional treatments when using H CITOPLACELL

Mental Concentration

Physicians report that treated patients have increased mental concentration.

Mobility

Improved mobility and decreased symptoms of joint pain are reported.

General well-being

Improved levels of resistance to fatigue, improved sleep and overall improvement are reported.

Cognitive functions

Patients report significant improvement in cognitive functions and mood.

Sexual desire

Increased production of testosterone in men and estrogen in women is reported.

