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DHEA
25 mg, 100 dissolve in mouth tablets
Item Catalog Number: 607

In 1981, the Life Extension Foundation introduced DHEA (dehydroepiandrosterone) to its members through an article that described the multiple benefits that this hormone might produce. However, the general public did not learn about DHEA until 1996, when the benefits of DHEA were touted by the news media and in several popular books. DHEA became credible to the medical establishment when the New York Academy of Sciences published a book entitled DHEA and Aging. This book provided scientific validation for the many life extending effects of DHEA.

It has been shown that the hormone DHEA often declines 40.8-72.8% by age 70 or later, leading to hormonal imbalances that can affect one's quality of life.1 Peak blood levels of DHEA occur at approximately age 25, decreasing progressively thereafter.1 Thus, scientists have been looking at ways of restoring DHEA to youthful levels, and are now discovering mechanisms by which this hormone protects against age-related decline.

Since 1981, several hundred studies have been published on DHEA's possible benefits. One study investigated immune functions and DHEA using rats as test subjects. The scientists showed that DHEA administration to rats supports specific immune function known to be lacking in the elderly.2*

Another study focused on the various benefits of DHEA supplementation, and noted that DHEA's protective effect could be of benefit to the normal aging brain.3* Some studies have reported DHEA may improve mood and alleviate melancholy. In fact, as highlighted in two studies, participants have reported that they feel better when taking DHEA.4,5*

In still another investigative study doctors noted that DHEA is one factor that determines lumbar spine density in aging men.6* In women, it has been shown that DHEA helps to protect bone mineral density. DHEA's role in supporting a healthy circulatory system and joint/bone health was also highlighted in the *Journal of the Medical Association of Thailand*.7*

DHEA precautions for men
Before attempting to restore DHEA to youthful levels, men should know their serum PSA (prostate specific antigen) level and have passed a digital rectal exam. Men with prostate cancer or severe benign prostate disease are advised to avoid DHEA since it can be converted into testosterone (and estrogen). Therefore, men are advised to have a PSA and digital rectal exam before initiating DHEA to rule out existing prostate disease.

When taking DHEA we also recommend taking the following other nutrients:

Vitamin E	400 IU daily
Selenium	200 mcg daily
Super Absorbable Soy Isoflavones	55.5 mg daily
Gamma E Tocopherol with Sesame Lignans	200 mg daily
Lycopene Extract	20-40 mg daily
Saw Palmetto Extract	160 mg twice daily
Pygeum Extract	50 mg twice daily
Nettle Extract	120 mg twice daily
Boron	3-10 mg daily

It is important for men over 40 to consult their physician to check their PSA and DHEA-S serum levels every six to twelve months thereafter. Men should also periodically check their blood levels for free testosterone and estrogen to make sure that DHEA is following a youthful metabolic pathway. See the Male Hormone Restoration chapter in the *Disease Prevention and Treatment* book for additional hormone balance testing that can be done at the same time serum DHEA and PSA levels are being tested.

DHEA precautions for women
When taking DHEA we also recommend taking the following other nutrients to maintain a healthy balance:

Melatonin	300 mcg to 3 mg nightly
Vitamin E	400-800 IU daily
Indole-3-carbinol	200 mg daily
Vitamin D3	1000-1400 IU daily
Gamma Tocopherol with Sesame Lignans	200 mg daily
Super Absorbable Soy Isoflavones	55.5 mg daily

Women should consider estrogen and testosterone testing when they take their DHEA blood test in order to evaluate DHEA's effect on their blood levels of these hormones.

Women who have been diagnosed with an estrogen-dependent cancer should consult their physicians before beginning the DHEA restoration process. Women taking DHEA should refer to the Female Hormone Restoration chapter in the Foundation's *Disease Prevention and Treatment* book for information about restoring youthful hormone balance.

DHEA supplementation
The Life Extension Buyers Club offers DHEA supplements that conform to the following specifications:

- 99.9% purity (European-derived DHEA)
- Micronized (for maximum absorption and utilization)
- Manufactured under GMP (Good Manufacturing Practice) conditions

References

Supplement Facts

Serving Size 1 tablet
Servings Per Container 100

Amount Per Serving

DHEA (Dehydroepiandrosterone)	25 mg

Other ingredients: sorbitol, microcrystalline cellulose, croscarmellose sodium, magnesium stearate.

Contains corn. This product contains NO milk, egg, fish, peanuts, crustacean shellfish (lobster, crab, shrimp), soybeans, tree nuts, wheat, yeast, gluten, or rice. Contains NO artificial sweeteners, flavors, colors, or preservatives.

Dosage and Use

- The exact number of tablets to be taken should be determined by blood testing and the advice of a physician.
- Generally, place one to four tablets under the tongue, allow to dissolve and swallow.
- Take in the morning and/or afternoon.
- DHEA serum blood tests are suggested prior to and 3 to 6 weeks after initiating DHEA replacement therapy to optimize individual dosing.
- This product can be taken with or without food.

Caution

Do not use DHEA if you are at risk for or have been diagnosed as having any type of hormonal cancer, such as prostate or breast cancer.

Warnings

- Keep out of reach of children.
- Do not exceed recommended dose.
- Do not purchase if outer seal is broken or damaged.
- If you have a bad reaction to product discontinue use immediately.
- When using nutritional supplements, please inform your physician if you are undergoing treatment for a medical condition or if you are pregnant or lactating.

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