CDG EstroDIM is a targeted supplement that combines the synergistic benefits of the cruciferous vegetable metabolites Indole-3-carbinol (I3C) and diindolymethane (DIM) to support proper estrogen metabolism. Formulating I3C and DIM together creates the ideal combination of beneficial metabolites to support estrogen balance and breast and prostate health.

**The Health Benefits of Cruciferous Vegetable Metabolites**

Many of the health benefits derived from eating cruciferous vegetables (cabbage, brussels sprouts, broccoli, etc.), especially those that may be beneficial for breast and prostate health, are thought to be derived from the group of secondary metabolites known as glucosinolates. When these vegetables are cut, crushed or chewed the enzyme myrosinase (released from the cells) hydrolyses these glucosinolates into other compounds. For instance, glucosinolates from broccoli and brussel sprouts readily convert into I3C when consumed. I3C can then be further converted via stomach acid into other health promoting compounds, including DIM. These compounds are generally thought to be responsible for the various cellular activities that lead to hormone health.

**Overview**

Estrogen collectively refers to the female hormones estradiol, estrone and estriol. Hormones have important functions in every area of the body. They are chemical messengers that interact with cells all over the body (especially tissues that are more sensitive to them, including breast and prostate tissues). The most important message they deliver to cells is to grow, divide and multiply. For this reason, hormones are critically important in human development and tissue repair. Supporting proper estrogen synthesis, metabolism and detoxification is essential for proper hormonal balance. The means in which estrogen is metabolized can result in different metabolites, each with individual biological activity. By keeping hormones in balance and ensuring the body is able to process hormones properly, cruciferous vegetable metabolites (such as I3C and DIM) work together to reduce hormone overload and maintain
cellular health. Current data on I3C and DIM suggests that these phytonutrients have strong potential for supporting breast, cervical, uterine and prostate health.1-4 Together, I3C and DIM promote the creation of the favorable and protective 2-hydroxyestrone (2-OHE) metabolite versus production of 4-hydroxyestrone (4-OHE) and 16-alpha-hydroxyestrone (16-alphaOHE), metabolites which can overstimulate cells and create free radicals that cause DNA damage.5 The influence of I3C and DIM on estrogen metabolism creates a more desirable ratio of 2-OHE to 16-alpha-OHE. This assessment of 2:16-alpha-OHE ratio has been used to evaluate breast health. With this in mind, CDG EstroDIM includes targeted doses of both I3C and DIM in a two capsule per day dosing to make daily balancing of hormones easy and convenient.

I3C†
I3C (indole-3-carbinol) is a naturally occurring compound found in numerous cruciferous vegetables, such as broccoli, cauliflower, kale and cabbage. Following ingestion of I3C, the body converts it to several different metabolites, one of which is diindolylmethane (DIM). Both of these compounds, as well as many other I3C metabolites, have been shown to impact metabolic shifts and cellular activities for improved health outcomes. I3C has also been shown to temper estrogen signals by competing for binding sites and inhibiting the activity of estrogen receptors.6-15 A study published in the Journal of Nutrition unveiled evidence that I3C supports healthy cellular function related to estrogen metabolism.16

DIM†
Diindolylmethane (DIM) is a phytonutrient and plant indole also found in cruciferous vegetables with potential for enhancing proliferation of healthy cells and cellular activities. As a dimer (formed chemical structure of two substances) of indole-3-carbinol, DIM promotes beneficial estrogen metabolism in both sexes supporting the formation of healthy estrogen metabolites and enhancing the potential for greater antioxidant activity.17-19

Calcium D-Glucarate †
Calcium D-Glucarate is the supplemental calcium salt form of D-glucaric acid, a substance produced naturally in the body and obtained through consumption of certain fruits and vegetables. Calcium D-glucarate has been extensively studied and has been shown to inhibit beta-glucuronidase, an enzyme found in certain bacteria that reside in the gut. This activity supports the body’s ability to detoxify estrogens, foreign molecules and fat-soluble toxins.20-23

Directions
2 capsules per day or as recommended by your health care professional.

Does Not Contain
Wheat, gluten, corn, yeast, animal or dairy products, fish, shellfish, peanuts, tree nuts, egg, artificial colors, artificial sweeteners or preservatives.

Cautions
Do not consume this product if you are pregnant or nursing.

Supplement Facts
Serving Size 2 Capsules
Servings Per Container 30

<table>
<thead>
<tr>
<th>Amount Per Serving</th>
<th>% Daily Value</th>
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<td>Calcium D-Glucarate USP</td>
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<tr>
<td>I3C (Indole-3-Carbinol)</td>
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<td>DIM (Diindolylmethane)</td>
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* Daily Value not established

ID# 635030 60 Capsules
References


