

DIM® Enhanced

Supports hormone metabolism, cellular health and detoxification‡

DESCRIPTION

DIM® Enhanced, provided by Douglas Laboratories, is a microencapsulated form of diindolylmethane (DIM) with curcumin, green tea and wasabia, designed to support healthy hormone balance, detoxification, and immune health. Microencapsulated DIM® by BioResponse is a patented, absorption-enhancing formulation to ensure proper assimilation by the body.‡

INDICATIONS

- Healthy estrogen detoxification, hormone balance and immune support‡

FUNCTIONS AND MECHANISM OF ACTION

Diindolylmethane (DIM)

During the body’s natural detoxification processes, potentially detrimental molecules such as hormone metabolites, alcohol, drugs and air pollutants are removed from the bloodstream via the liver. Healthy hormone detoxification is a crucial part of a normally functioning immune system.‡

Diindolylmethane (DIM) is one molecule known for the supportive role it plays in stimulating natural detoxification enzymes and supporting beneficial estrogen metabolism. As a natural component derived from indole-3-carbinole and cruciferous vegetables, DIM has been shown to support the 2-hydroxylation rather than the 16-hydroxylation of certain estrogen metabolites. This favors the production of 2-hydroxysterone over the less-desirable 16-hydroxysterone.‡

BioResponse DIM® contains pure DIM microencapsulated in particles that provide greater absorption and sustained release compared to generic crystalline DIM (Figure 1). The patented formulation process for making BioResponse DIM® creates microparticles of DIM, then emulsifies the DIM with vitamin E and phospholipids, and captures these complexes through a drying process in larger particles of pure food starch. The result is a sustained-release, dry powder that re-dissolves easily after oral consumption.

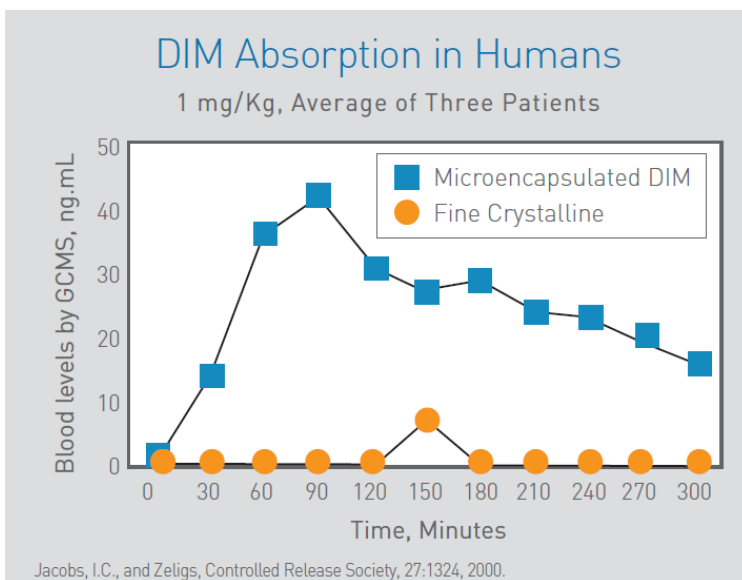


Figure 1. BioResponse DIM microencapsulated provides greater absorption compared to crystalline DIM not microencapsulated (p=0.04).

Green Tea

Numerous phytochemicals, including polyphenols, methylxanthines, flavonoids and triterpenoid saponins, have been identified in green tea. The polyphenols contained in tea, specifically the catechins, appear to provide the primary health-promoting benefits associated with green tea consumption. Catechin, epicatechin, epigallocatechin (EGC) and, most notably, epigallocatechin gallate (EGCG), provide antioxidant activity to support immune function and liver detoxification.‡

Meriva® Curcumin

Studies have shown that curcumin, a naturally occurring, biologically active compound from *Curcuma longa* (turmeric), can function as an efficient antioxidant that plays a key role in supporting the body's detoxification processes. Since curcumin exhibits poor oral absorption in the body, Douglas Laboratories has chosen a highly bioavailable curcumin called Meriva®. Curcuminoid absorption was about 29 times higher for Meriva® than for standard curcumin due to proprietary phytosome technology, which increases hydrolytic stability. ‡

Wasabia japonica

Wasabia is a member of the cruciferous vegetable family that contains unique long-chain isothiocyanates (ITCs) not commonly found in other cruciferous vegetables. These ITCs are believed to be more potent in the liver detoxification process than most ITCs found in cruciferous vegetables.‡

FORMULA (#202558)

Serving Size 1 Vegetarian Capsule:

Green tea extract (leaf)	200 mg
(standardized to 98% polyphenols and 45% EGCG)	
BioResponse DIM® complex	125 mg
(complex of starch, diindolylmethane, vitamin E as tocophersolan, phosphatidylcholine (from sunflower) and silica, standardized to contain 25% diindolylmethane)	
Meriva® Curcumin Phytosome	125 mg
(<i>Curcuma longa</i> extract, rhizome, sunflower phospholipid complex)	
Wasabia japonica (rhizome)	50 mg
(containing at least 600 mcg of isothiocyanates as allyl ITC, 3-butenyl ITC, and 4-pentyl ITC)	

Other Ingredients: Hydroxypropyl methylcellulose [capsule], microcrystalline cellulose, silica, vegetable stearate and dicalcium phosphate

BioResponse DIM® is a trademark of BioResponse, L.L.C., Boulder, CO. U.S. Patent 6,086,915.

Meriva® is a registered trademark of Indena S.p.A, Milano

Non-GMO, Gluten-Free

SUGGESTED USE

Adults take 1 capsule 1-2 times daily with food or as directed by your healthcare professional.

Microencapsulated DIM® dosing guidelines:

Women: 100-200 mg BioResponse DIM® (25-50 mg DIM)

Men: 200-400 mg BioResponse DIM® (50-100 mg DIM)

PRECAUTIONS

Avoid this product if pregnant or lactating. If taking prescription blood thinners such as Coumadin (warfarin) or amphetamines, consult your physician prior to use.

SIDE EFFECTS

Harmless changes in urine color may occur if less than recommended daily water intake is consumed.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES

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For more information on DIM[®] Enhanced, visit douglaslabs.com

‡These statements have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure, or prevent any disease.

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