

# PureDefense Collagen w/ Bone Broth powder

Savory bone broth and hydrolyzed collagen powder with immune-supportive mushrooms, aged garlic, and enhanced bioavailability curcumin extracts<sup>†</sup>

## INDICATIONS

- Individuals aged 18 and up
- Immune health<sup>†</sup>
- G.I. mucosal and/or joint support<sup>†</sup>

## BENEFITS

- Promotes immune function with immunomodulatory EpiCor<sup>®</sup>, curcumin, garlic, reishi, and turkey tails mushroom extracts<sup>†</sup>
- Supports G.I. mucosal health with amino-acid building blocks to enhance immune function<sup>†</sup>
- S-allyl-cysteine (SAC) and other bioactive compounds act as antioxidants to support cellular function and protect tissues<sup>†</sup>

## FEATURES

- 15 grams of protein from grass-fed beef bone broth and hydrolyzed collagen
- 250 mg EpiCor<sup>®</sup> *Saccharomyces cerevisiae* yeast fermentate with immune-supportive bioactive metabolites<sup>†</sup>
- Coriolus mushroom extract and reishi mushroom-derived beta 1,3/1,6-D glucan
- Enhanced bioavailability turmeric extract
- Aged fermented black garlic extract and whole food vegetable blend
- Designed to be combined with hot water for savory warm comforting delivery

## VERIFIABLE SCIENCE

PureDefense Collagen w/ Bone Broth powder offers 15 grams of protein in the form of grass-fed beef bone broth and hydrolyzed collagen as a savory, comforting, warm delivery form to support immune function.<sup>1</sup> Within the human body, collagen is an extracellular protein that accounts for 25-30% of the total protein content. These hydrolyzed proteins offer a source of amino acid building blocks and are particularly high in proline/hydroxyproline, arginine and glycine. Arginine and glycine are key for creatine synthesis, while proline and hydroxyproline are a key component of cartilage and collagen in the body. Numerous studies indicate that collagen peptides support skin and mucosal tissue integrity and elasticity, as well as joint comfort and function, in part by targeting cartilage synthesis and cytokine

balance.<sup>2-4</sup> EpiCor<sup>®</sup> is a fermentate of *Saccharomyces cerevisiae* containing various immune-supportive bioactive metabolites. Studies indicate EpiCor<sup>®</sup> promotes natural killer cell activation, as well as that of B cells and T cells, providing support for upper respiratory tract health and overall immune health.<sup>5</sup> Research indicates that curcumin, reishi and turkey tails mushroom extracts have immunomodulatory effects.<sup>6-8</sup> Reishi mushroom is included as a unique, highly purified, reishi mushroom-derived beta 1,3/1,6-D glucan extract. Turkey tails mushroom extract promotes white blood cell function, including lymphocyte, macrophage and natural killer cells and antibody production. Research suggests that curcumin moderates the cytokines IL-4, IL-8, and TNF- $\alpha$  that induce differentiation of helper T cells, as well as supports nasal respiratory function.<sup>9</sup> This formula includes a unique turmeric extract that utilizes a water dispersible colloidal suspension of curcuminoids to enhance bioavailability. In an unpublished comparison study, this turmeric extract enhanced bioavailability 24-fold compared to standard curcumin extract, as measured by dose-normalized area under the curve, from 0-8 hours after intake. Aged fermented black garlic extract is concentrated in the sulfur-containing S-allyl-cysteine (SAC) and other bioactive compounds, including phenols and flavonoids. These compounds act as antioxidants in the body to protect tissues and support cellular function.<sup>10</sup> Garlic has also demonstrated support for maintaining a healthy gut ecology and promoting healthy immune system function.<sup>11</sup> A blend of organic cruciferous vegetables, as well as tomato, carrot, and spinach, offers flavor and phytonutrients.<sup>†</sup>

## SUGGESTED USE

As a dietary supplement, mix 1 serving into 8 oz. of hot water and stir to dissolve. Consume immediately.

## STORAGE

Store in a cool, dry place.

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## WARNING

If you are pregnant or lactating, have any health condition or are taking any medication, consult your health professional before use.

## SOURCE

- Hydrolyzed collagen is derived from bovine hide from grass-fed cows in Argentina
- Beef bone broth powder is derived from grass-fed, hormone-free, European-origin cows
- Turkey tails mushroom extract is derived from certified organic *Coriolus versicolor* fruiting body and standardized to contain 30% beta glucan
- Reishi mushroom beta glucans are derived from *Ganoderma lucidum* mycelia extract and standardized to contain 70% beta 1,3/1,6 glucans
- Aged fermented black garlic extract is derived from *Allium sativum* bulb and standardized to contain 0.1% S-allyl-cysteine
- Epicor<sup>®</sup> dried yeast fermentate complex is derived from *Saccharomyces cerevisiae* in a specialized fermentation process
- Enhanced-bioavailability turmeric extract is derived from *Curcuma longa* rhizome and standardized to contain 30% curcuminoids. It utilizes a water dispersible colloidal suspension containing acacia gum, sunflower oil, and Quillaja extract
- Proprietary vegetable complex contains organic broccoli powder, organic broccoli sprout powder, organic tomato powder, organic carrot powder, organic spinach powder, and organic kale powder
- Lecithin is derived from sunflower

## NOTES

Size approximately 20 servings per container

Order code PDC4

Bottle size 25 oz

## REFERENCES

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11. Josling P. *Adv Ther*. 2001 Jul-Aug;18(4):189-93.

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## SUPPLEMENT FACTS

Mix 1 serving into 8 oz. of hot water and stir to dissolve.  
Consume immediately.

Serving size: 2 scoops (approximately 20 grams)  
Servings per container: approximately 20

Two scoop (approximately 20 grams) contains:

Calories	70
Total Carbohydrate	1 g
Protein	15 g
Sodium	600 mg
EpiCor® dried yeast fermentate complex (from <i>Saccharomyces cerevisiae</i> )	250 mg
Turkey tails mushroom ( <i>Coriolus versicolor</i> ) extract (fruiting body) (certified organic) (standardized to contain 30% beta glucan)	100 mg
Mushroom beta glucan (from reishi ( <i>Ganoderma lucidum</i> ) extract (mycelia)) (standardized to contain 70% beta 1,3/1,6 glucan)	100 mg
Aged fermented black garlic ( <i>Allium sativum</i> ) extract (bulb) (standardized to contain 0.1% S-Allyl Cysteine)	100 mg
Turmeric complex (( <i>Curcuma longa</i> ) extract (rhizome) and quillaja extract (wood)) (standardized to contain 30% curcuminoids)	100 mg
<b>Proprietary vegetable complex</b> containing organic broccoli powder, organic broccoli sprout powder, organic tomato powder, organic carrot powder, organic spinach powder, organic kale powder	100 mg

Other ingredients: hydrolyzed collagen (from bovine), beef bone broth powder, natural roasted chicken flavor, sunflower lecithin, salt

EpiCor® is a registered trademark of Embria Health Sciences, L.L.C.



PureDefense Collagen w/ Bone Broth powder	Quantity	Order Code
	14.1 oz (400 g)	PDC4

Visit [PureEncapsulationsPro.com](http://PureEncapsulationsPro.com) for more information about our GMO policy.

<sup>†</sup>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.