

# PureDefense w/NAC

Supports immune function and upper respiratory health<sup>†</sup>

## INDICATIONS

- Ages 18 and up
- Immune function and upper respiratory health support<sup>†</sup>

## BENEFITS

- Supports first-line immune defense and overall immune health<sup>†</sup>
- Provides support for upper respiratory tract health<sup>†</sup>
- Promotes antioxidant protection<sup>†</sup>

## FEATURES

- Features EpiCor<sup>®</sup> saccharomyces cerevisiae fermentate, NAC, nutrients and flavonoids
- Offered in both 120-count bottle and convenient blister pack box designed for travel or short-term dosing
- Made with high-quality ingredients backed by verifiable science

## VERIFIABLE SCIENCE

Natural killer cells are part of the body's innate, or first-line, immune response. They respond more quickly than the adaptive immune system comprised of B cells and T cells. Once activated, natural killer cell activity peaks in as quickly as several hours, providing rapid support and wide-range immune defense. EpiCor<sup>®</sup> is a fermentate of *Saccharomyces cerevisiae* containing various bioactive metabolites. These nutrient metabolites are produced in a specialized fermentation process and enhance immune cell production. In one cellular study, EpiCor<sup>®</sup> promoted natural killer cell activation, as well as that of B cells and T cells.<sup>1</sup> In two randomized, double-blind, placebo-controlled trials, EpiCor<sup>®</sup> provided statistically significant support for upper respiratory tract health and overall immune health.<sup>2,3</sup> A separate open label, in-house trial indicated a strong potential for EpiCor<sup>®</sup> supplementation to enhance secretory IgA levels after 30 days. These various actions demonstrate the ability of EpiCor<sup>®</sup> to address both innate and adaptive immune responses.<sup>4</sup> NAC (n-acetyl-L-cysteine) promotes endogenous glutathione production for antioxidant protection and provides lung defense mechanisms for healthy respiratory function.<sup>5</sup> In a randomized, double-blind trial

involving mostly older individuals, NAC showed support for respiratory health.<sup>6</sup> Quercetin and elderberry provide flavonoids that offer additional support for immune and respiratory function while vitamin C, vitamin D and zinc play important roles in immune cell activation.<sup>7,8,9,10<sup>†</sup></sup>

## SUGGESTED USE

As a dietary supplement, take 2 capsules, twice daily, with meals.

## STORAGE

Store in a cool, dry place.

## WARNING

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

## SOURCE

- Ascorbic acid is derived from corn dextrose fermentation
- Vitamin D is derived from lanolin
- Zinc is derived from earthen ore
- N-acetyl-L-cysteine is derived from duck feather
- EpiCor<sup>®</sup> dried yeast fermentate complex is derived from *Saccharomyces cerevisiae*
- Elderberry extract is derived from *Sambucus nigra* fruit
- Quercetin is derived from the Fava d'anta tree (*Dimorphandra mollis*) pods and Cat's claw (*Uncaria tomentosa*) leaves
- Ascorbyl palmitate is derived from corn dextrose fermentation and palm oil

<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.

**pure**  
encapsulations<sup>®</sup>

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## NOTES

PureDefense w/NAC

Size 0 caps

Bottle count 120

Order codes PDN1

Bottle size 190 cc

PureDefense w/NAC travel pack

Size 0 caps

Bottle count 20 (1 card blister pack)

Order codes PDNB2

Carton size 3 21/32" x 5/8" x 5 3/8"

## REFERENCES

1. Jensen GS, et al. *J Med Food*. 2015 Mar;18(3):378-84.
2. Moyad MA, et al. *Urol Nurs*. 2008 Feb;28(1):50-5.
3. Talbott SM, et al. *J Am Coll Nutr*. 2012 Aug;31(4):295-300.
4. Jensen GS, et al. *J Med Food*. 2011 Sep;14(9):1002-10.
5. Sutherland ER, Crapo JD, Bowler RP. *COPD*. 2006 Dec;3(4):195-202.
6. De Flora S, et al. *Eur Respir J*. 1997 Jul;10(7):1535-41.
7. Nieman DC, et al. *Med Sci Sports Exerc*. 2007 Sep;39(9):1561-9.
8. Roschek B Jr, et al. *Phytochemistry*. 2009 Jul;70(10):1255-61.
9. Wintergerst ES, et al. *Ann Nutr Metab*. 2006;50(2):85-94.
10. Hossein-nezhad A, et al. *PLoS One*. 2013;8(3):e58725.

## SUPPLEMENT FACTS

2 capsules, twice daily, with meals.

Two (size 0) vegetarian capsules contain:

Vitamin C (as ascorbic acid)	250 mg
Vitamin D (as cholecalciferol) (D <sub>3</sub> )	25 mcg (1,000 IU)
Zinc (as zinc citrate)	7.5 mg
N-Acetyl-L-cysteine (free-form)	450 mg
EpiCor® dried yeast fermentate complex (from <i>Saccharomyces cerevisiae</i> )	250 mg
European elder (elderberry) ( <i>Sambucus nigra</i> ) extract (fruit)	200 mg
Quercetin	25 mg
Other ingredients: vegetarian capsule (cellulose, water), ascorbyl palmitate	

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

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PureDefense w/NAC	Quantity	Order Code
	120	PDN1

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