



# AIM CranVerry®+



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CANADA

CranVerry+ provides a unique combination of cranberry extract and three other botanicals that can help prevent urinary tract infections and maintain urinary tract health.

## How is CranVerry+ Unique?

- Contains beta-glucanase, an enzyme that can break down bacterial biofilms
- Includes the pericarp of the mangosteen fruit
- Uses a cranberry extract that includes fruit solids, seeds, skins and juices
- Each two-capsule serving contains enough cranberry extract from the whole fruit to equal over 9 servings of cranberry juice

## Approach

Urinary tract infections (UTIs) are one of the most common bacterial infections with high recurrence rate. A study reported that about 25% of women experienced a second episode within 6 months of their first UTI.<sup>1</sup> Urinary tract health may not be something we think about on a regular basis, but there are ways to keep your system healthy to help avoid a potential problem.

AIM CranVerry+ uses the well-known benefits of cranberries to aid in maintaining urinary tract health in both men and women. Cranberries contain unique phytonutrients that provide these benefits. AIM uses whole-fruit, cranberry extract to ensure that these powerful phytonutrients are not lost in the extraction process.

While AIM has formulated CranVerry+ specifically for the purpose of maintaining your urinary tract health, there are many other pluses associated with antioxidant-rich ingredients such as cranberries and mangosteens. Additional benefits include the maintenance of digestive health related to the mangosteen properties that promote bacterial balance in the body and increased support for the immune system from using the entire fruit in the cranberry extract.

## Cranberries

Cranberries have been found to maintain urinary tract health by preventing pathogens from adhering to the walls of the urinary tract. These pathogens can then be flushed out in the urine, and urinary health is maintained.

The specific phytonutrients in cranberries that perform this role are proanthocyanidins (PACs). PACs are chains of flavonoids, which are phytonutrients that have an array of health benefits. While other fruits may contain

## Key Benefits and Features

- Supports a healthy urinary tract
- Helps prevent recurrent urinary tract infections
- Helps to maintain a healthy bacterial balance
- Beneficial for both women and men
- Provides 500 mg of cranberry extract per two-capsule serving
- All ingredients in CranVerry+ are non-GMO

these same compounds, only the PACs in cranberries and blueberries have been shown to have the stick-free effect on urinary bacteria.

Anthocyanins are believed to be part of the flavonoids that make up the chain of proanthocyanidins. Anthocyanins are the water-soluble portion of the plant cell that transmits pigments that appear red, purple or blue. Each two-capsule serving of CranVerry+ contains cranberry extract equal to over a cup of cooked cranberries and as many anthocyanins as 9.7 servings of cranberry juice (6.76 oz/200 ml serving size).<sup>2</sup>

CranVerry+ contains 500 mg of CranMax® cranberry extract per serving. The extract is derived from the entire berry, including solids, seeds, skins and concentrated juices. In a clinical study, it was found that 72 mg of proanthocyanidins per day could help reduce bacterial adhesion for up to 24 hours.<sup>3</sup> CranVerry+ contains over 256 mg of anthocyanins per serving, which means the amount of proanthocyanidins is even greater given that anthocyanins are only a part of the larger chain of proanthocyanidins.

## Resveratrol

Each two-capsule serving of CranVerry+ contains 25 mg of resveratrol, standardized extract from 50 mg of giant knotweed (*Reynoutria japonica*) root. Resveratrol is



a naturally occurring phytonutrient in several plants and foods. As a natural food ingredient, numerous studies have demonstrated that resveratrol possesses a very high antioxidant potential.<sup>4</sup>

It functions as a phytoalexin that is produced by the plant in response to fungal attacks or an injury, such as UV-irradiation. When consumed orally, resveratrol functions as a defense against oxidative stress in the body.<sup>5</sup>

Oxidative stress is a state in which there is an imbalance between free radicals and antioxidants in the body. A free radical is an atom that is missing an electron, which makes it unstable. Free radicals easily react with other atoms due to their instability. Antioxidants prevent the damage free radicals can cause by giving them electrons, which neutralizes these potentially damaging atoms.

## Mangosteen

The pericarp (rind) of the mangosteen fruit has been shown to contain active components that belong to a group of xanthones: plant phenols. Xanthones have been shown to help maintain a healthy bacterial balance in the body. CranVerry+ contains 100 mg of mangosteen fruit concentrate that includes the pericarp in a 20:1 concentration per serving. This means that it takes 20 pounds of mangosteens to make 1 pound of mangosteen fruit concentrate.

## Beta-glucanase

Beta-glucanase is a carbohydrate enzyme that breaks the bonds within beta-glucan, the main structural component of biofilm. Biofilm is a slimy protective shield that surrounds communities of bacteria, yeast and fungi. Beta-glucanase's breakdown of beta-glucan reduces the viability of the biofilm. CranVerry+ contains 100 BGU of beta-glucanase per serving.

<sup>1</sup> Foxman B. Epidemiology of urinary tract infections: incidence, morbidity, and economic costs. *Dis Mon* 2003;49(2):53-70.

<sup>2</sup> Blumberg JB, Camesano TA, Cassidy A, et al. Cranberries and their bioactive constituents in human health. *Adv Nutr*. 2013 Nov 6;4(6):618-32.

<sup>3</sup> Beerepoot MA, ter Riet G, Nys S, van der Wal WM, et al. Cranberries vs antibiotics to prevent urinary tract infections: a randomized double-blind noninferiority trial in premenopausal women. *Arch Intern Med*. 2011 Jul 25;171(14):1270-8.

<sup>4</sup> Salehi B, Mishra AP, Nigam M, et al. Resveratrol: A Double-Edged Sword in Health Benefits. *Biomedicines*. 2018 Sep 9;6(3):91.

<sup>5</sup> Brasnyó P, Molnár GA, Mohás M, et al. Resveratrol improves insulin sensitivity, reduces oxidative stress and activates the Akt pathway in type 2 diabetic patients. *Br J Nutr* 2011;106(3):383-9.

## How to use CranVerry+

- Take 2 capsules daily with food.
- For recurrent UTIs: use for a minimum of 4 weeks to see beneficial effect.
- Consult a health care practitioner prior to use if you are pregnant or breastfeeding, have diabetes or have a history of kidney stones, are taking blood thinners or any other prescription medication.
- For recurrent UTIs: consult a health care practitioner if symptoms persist or worsen.
- Stop use if hypersensitivity or allergy occurs.
- Keep out of reach of children.



## FAQs

### Why has the serving size changed from 1 capsule to 2 capsules daily?

The change in serving size results in a smaller capsule that is easier to swallow than the previous large capsule. Additionally, the powders in the formulation have changed in density since its introduction. Consequently, the proper weight of each ingredient could no longer fit in one capsule. Rest assured, two smaller capsules per day provide the same benefits as one large capsule.

### Can CranVerry+ benefit both men and women?

Yes, the ingredients of CranVerry+ can benefit the urinary tracts of both men and women.

### Why is CranVerry+ best taken with food?

Resveratrol is a fat-soluble, polyphenolic compound that is more bioavailable when consumed with food.

### Can I take CranVerry+ in conjunction with other AIM products?

Yes, CranVerry+ can be used in combination with all AIM products, with one exception: AIM FloraFood®. The enzyme beta-glucanase may reduce the viability of the probiotics in FloraFood. Please take these products separately at alternate meals.

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