



Code: 9132 **NPN:** 80114525
Size: 60 Tablets

Urinary-Pro

Acute UTI Support

- Contains a unique combination of four plant extracts that promote healthy urinary function
- Provides 250 mg of bearberry (uva-ursi) per tablet, standardized to 20% of arbutin, with both diuretic and antimicrobial actions
- Berberine hydrochloride enhances Nrf2 activity, promoting anti-inflammatory and antioxidant effects
- Juniper and berberine extracts both inhibit bacterial adhesion and biofilm formation
- *Echinacea purpurea* enhances immune function and provides antiviral support
- Suitable for vegans

PRODUCT SUMMARY

Urinary-Pro provides clinical doses of four plant extracts that support healthy urinary function. A unique combination of extracts from bearberry (uva-ursi), juniper, *Echinacea purpurea*, as well as berberine promote antimicrobial and antioxidant activity along the urinary tract, inhibiting bacterial growth and adhesion while also supporting immune function.

Bearberry has the highest natural content of the phenol arbutin (hydroquinone beta-D-glucoside), and has a long history of use as a urinary antiseptic. The aglycone hydroquinone of arbutin, which is released in alkaline urine, is thought to provide its antimicrobial actions. In a clinical trial, women with recurrent cystitis had no infections over a one-year period when consuming bearberry, compared to 23% of the placebo group. Berberine, well known for its antibacterial properties, has been found to inhibit the adhesion of *E. coli* to human bladder cells, as well as the formation of bacterial biofilms by *E. faecalis*, in vitro. Berberine has also been shown to have anti-inflammatory effects and protect against oxidative damage, in part by enhancing nuclear factor erythroid 2-related factor 2 (Nrf2) activity, a key signalling pathway for antioxidant defence.

Urinary-Pro also provides a 4:1 extract of juniper, known for its antimicrobial, antioxidant, and diuretic properties, and shown to prevent adhesion and growth of several bacterial species, including *E. coli*, in vitro. A 6:1 extract of *Echinacea purpurea* supports healthy urinary function by modulating both innate and specific immune activity. Additionally, it has been shown to have both antiviral and antibacterial properties.



URINARY-PRO

ACUTE UTI SUPPORT

Serving Size: 2 Tablets
Servings Per Container: 30

Each Tablet Contains:

Bearberry Extract (<i>Arctostaphylos uva-ursi</i>) (leaf) (20% arbutin).....	250 mg
Berberine (hydrochloride).....	50 mg
Juniper Extract 4:1 (<i>Juniperus communis</i>) (fruit).....	37.5 mg
Organic Echinacea Extract 6:1 (<i>Echinacea purpurea</i>) (herb top).....	50 mg

Non-medicinal Ingredients: Microcrystalline cellulose, dibasic calcium phosphate dihydrate, coating (carbohydrate gum, glycerin), stearic acid, magnesium stearate, croscarmellose sodium, silica.

Recommended Adult Dose: 2 tablets 2 times per day or as directed by a health care practitioner. Take a few hours before or after any medication or natural health product. Do not take with highly acidic foods (e.g., citrus fruits and juice) or medications, which may acidify urine. For occasional use only. Consult a health care practitioner for use beyond one week.

Recommended Use: Used in herbal medicine to help relieve symptoms associated with minor urinary tract infections, such as burning sensation and frequent urination. Juniper is traditionally used in herbal medicine as a diuretic, and as an antiseptic to help relieve benign urinary tract infections..

Caution: Consult a health care practitioner if symptoms persist or worsen. Consult a health care practitioner prior to use if you have a liver disorder, fever, painful urination (dysuria), spasms, or blood in urine. Consult a health care practitioner prior to use if you have a progressive systemic disease such as tuberculosis, collagenosis, multiple sclerosis, AIDS and/or HIV infection, or an auto-immune disorder. Consult a health care practitioner prior to use if you are taking medications to suppress the immune system (immunosuppressive medications). Do not use this product if you are pregnant, breastfeeding, or have a kidney disorder. Stop use if hypersensitivity/allergy occurs. Keep out of reach of children.

Drug Interactions: No known drug interactions exist. As a diuretic, bearberry theoretically may increase serum lithium levels, but this has not been shown clinically. Berberine has been shown to lower blood glucose levels and may have an additive effect when combined with other hypoglycemic medications, such as metformin. Berberine has also been shown to increase levels of cyclosporin A, and combined use should be avoided. Berberine has demonstrated inhibitory activity on cytochrome enzymes CYP2D6, CYP3A4, and CYP2C9, and use of medications metabolized by these enzymes should be monitored. Echinacea has been shown to reduce the required steroid dosage in inflammatory conditions, and may improve the efficacy of antifungal treatments for infection with *Candida sp.* Although direct evidence of drug interactions with echinacea is lacking, it is a weak inhibitor of CYP1A2 and a minor inducer of CYP3A4, and may have a slight effect on drugs metabolized through these pathways.

Contains no artificial colours, preservatives, or sweeteners; no dairy, starch, sugar, wheat, gluten, yeast, soy, egg, fish, shellfish, animal products, tree nuts, or GMOs. Suitable for vegetarians/vegans. Sealed for your protection. Do not use if seal is broken. For freshness, store in a cool, dry place.

References available at bioclinicnaturals.com



· GUARANTEED ·

Bioclinic Naturals® products are guaranteed to meet or exceed Good Manufacturing Practices (GMP) of the U.S. Food and Drug Administration (FDA), Health Canada, and the Therapeutic Goods Administration (TGA) of Australia.



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