

# UT Support

*For a Healthy Urinary Tract*



## DESCRIPTION

UT Support is an all-natural supplement comprised of D-mannose for supporting a healthy urinary tract.

## FUNCTIONS

Urinary tract infections (UTIs) are the second most common type of infection in the body. Women tend to suffer from UTIs far more often than men. More than 50% of women will develop a UTI during her lifetime. For 20% of women, infection becomes recurrent, occurring 3 or more times per year. Certain female subgroups, especially female multiple sclerosis patients, show a greater tendency for chronic, recurrent urinary tract infections (1). Conventional therapy for these UTIs consists of antibiotics. However, the danger in using long-term antibiotic therapy is the risk of developing antibiotic resistant strains of bacteria, and the adverse effects to friendly micro-organisms and gut flora from the usage of antibiotic therapy.

UT Support is an all-natural supplement comprised of D-mannose for supporting a healthy urinary tract (2). More than 90% of UTIs are caused by Escherichia coli (E.coli), a bacteria that is normally found in the intestinal tract. When E.coli seeps into the urinary tract and multiplies, problems may arise and cause various symptoms of urinary and abdominal discomfort.

UT Support contains a simple, but unique sugar, D-mannose, which is primarily absorbed through the kidneys and rapidly excreted through the urine. This MOA helps to explain the efficacy of UT Support in addressing UTIs. E.coli possesses small, fingerlike projections that contain an amino acid-sugar complex called lectin that makes them stick to the cells that line the urinary tract. If left untreated, UTIs can escalate into kidney infections. Studies have shown that lectin readily binds to D-mannose, and E.coli "stick" to D-mannose as it passes through the urinary tract. The result is that D-mannose causes the bacteria to be rinsed away in the urine. It has also been suggested that D-mannose works to support a healthy urinary tract by promoting activation of a specific glycoprotein called the Tamm-Horsfall protein, which specifically assists the body in fighting UTIs (3).

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.

## INDICATIONS

UT Support contains D-mannose, which has been shown to be effective in supporting a healthy urinary tract. Individuals who might benefit from UT Support are:

- Women battling chronic, recurring UTIs
- Women wishing to prevent recurring UTIs
- Women wishing to prevent post-intercourse UTIs

## FORMULA (WW #10362)

### 1 Scoop Contains:

D-Mannose.....1.9 g

Ingredients: D-Mannose

## SUGGESTED USE

Mix one scoop in water 3-4 times a day for three days as a loading phase. Then one scoop 1-2 times daily thereafter for maintenance as a dietary supplement, or as directed by a healthcare professional.

## SIDE EFFECTS

There are no known side effects to treatment with UT Support.

## STORAGE

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

## REFERENCES

1. Open label feasibility study evaluating D-mannose combined with home based monitoring of suspected urinary tract infections in patients with multiple sclerosis. *Neurourol Urodyn* 2017 Sep;36(7):1770-1775
2. D-mannose: a promising support for acute urinary tract infections in women. A pilot study. *Eur Rev Med Pharmacol Sci* 2016 Jul;20(13): 2920-5
3. N-Glycans carried by Tamm-Horsfall glycoprotein have a crucial role in defense against urinary tract diseases. *Glycoconj J* 2005 Nov;22(7-9):383-94

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