

Ultra-D Tox™ Capsules

Detoxification

DESCRIPTION

Ultra-D Tox™ Capsules, provided by Douglas Laboratories®, contain significant quantities of detoxifying herbs, minerals, and probiotics, as well as vitamin C.

FUNCTIONS

Bentonite powder offers significant detoxification support. It can tightly bind and immobilize toxic compounds, such as aflatoxins, in the gastrointestinal tract. The bioavailability of the toxic compound is greatly reduced in the bentonite bound state.

The dietary fiber offered by the psyllium, celery, flax seed powders, and prune concentrate provide many nutritional benefits for the health and detoxifying properties of the gastrointestinal tract. Soluble dietary fiber, such as pectin, many gums, and some hemicelluloses, are fermented in the colon to varying degrees. This results in lower colonic pH (acidity) and the production of short chain fatty acids, important for the health and detoxifying power of not only mucosal cells, but also the intestinal microflora.

Probiotic dietary *Lactobacillus acidophilus* colonizes the intestinal tract, depending on the specific bacterium-to-host affinity. Bacteria are continually in competition for colonization space. The original bacterial colonies have an advantage over transient bacteria. Nevertheless, the composition of the intestinal microflora is dynamic and constantly changing.

If harmful microorganisms proliferate, the equilibrium is disturbed, and it becomes difficult even for indigenous bacteria to maintain their necessary territory to colonize the intestine. Antibiotics tend to kill off both beneficial and harmful bacteria, and thus may also disturb the normal, healthy balance of intestinal microorganisms.

When potent probiotic and detoxifying supplements, such as Ultra-D Tox™ Capsules, are supplied regularly, chances are greatly increased for establishing and maintaining a healthy population of beneficial intestinal microorganisms. Once established, a normal intestinal microflora rich in lactobacilli creates acidic conditions that are unfavorable for the settlement of toxic pathogenic microorganisms. Garlic and mint can be useful in supporting the healthy structure and function of the gastrointestinal tract, especially during detoxification. Vitamin C, as an antioxidant, helps eliminate the highly toxic free radicals that can be very dangerous to many biomolecules in the body.

INDICATIONS

Ultra-D Tox™ Capsules may be a useful dietary supplement for individuals who wish to enhance their natural detoxification systems.

FORMULA (#7594)

Each Capsule Contains:

Bentonite Powder, Psyllium Powder, *Lactobacillus acidophilus* (minimum of 1 Billion C.F.U.), Garlic (deodorized), Celery Powder, Aloe Vera Powder, Prune Concentrate, Mint, Flax Seed Powder, Barley, Chlorella, Anise, Vitamin C, Bromelain and Magnesium Citrate

SUGGESTED USE

Adults take 1 capsule 3 times daily or as directed by physician.

SIDE EFFECTS

No adverse effects have been reported.

STORAGE

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

REFERENCES

- Abdel-Wahhab MA, Nada SA, Amra HA. Effect of aluminosilicates and bentonite on aflatoxin-induced developmental toxicity in rat. *J Appl Toxicol* 1999;19:199-204.
- Gill HS, Rutherford KJ, Prasad J, et al. Enhancement of natural and acquired immunity by *Lactobacillus rhamnosus* (HN001), *Lactobacillus acidophilus* (HN017) and *Bifidobacterium lactis* (HN019). *Br J Nutr* 2000;83:167-76.
- Jenab M, Rickard SE, Orcheson LJ, et al. Flaxseed and lignans increase cecal beta-glucuronidase activity in rats. *Nutr Cancer* 1999;33:154-8.
- Kailasapathy K, Chin J. Survival and therapeutic potential of probiotic organisms with reference to *Lactobacillus acidophilus* and *Bifidobacterium* spp. *Immunol Cell Biol* 2000;78:80-8.
- Khanum F, Anilakumar KR, Sudarshanakrishna KR, et al. Effects of feeding fresh garlic and garlic oil on detoxifying enzymes and micronuclei formation in rats treated with azoxymethane. *Int J Vitam Nutr Res* 1998;68:208-13.
- McLean NW, Rosenstein JJ. Characterisation and selection of a *Lactobacillus* species to re-colonise the vagina of women with recurrent bacterial vaginosis. *J Med Microbiol* 2000;49:543-52.
- Munday R, Munday CM. Low doses of diallyl disulfide, a compound derived from garlic, increase tissue activities of quinone reductase and glutathione transferase in the gastrointestinal tract of the rat. *Nutr Cancer* 1999;34:42-8.
- Prior A, Whorwell PJ. Double blind study of ispaghula in irritable bowel syndrome. *Gut* 1987;28:1510-3.
- Santurio JM, Mallmann CA, Rosa AP, et al. Effect of sodium bentonite on the performance and blood variables of broiler chickens intoxicated with aflatoxins. *Br Poult Sci* 1999;40:115-9.
- Shamaan NA, Kadir KA, Rahmat A, et al. Vitamin C and aloe vera supplementation protects from chemical hepatocarcinogenesis in the rat. *Nutrition* 1998;14:846-52.

**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.**

**Manufactured by
Douglas Laboratories
600 Boyce Road
Pittsburgh, PA 15205
800-245-4440**