

Detoxiren[®] 90 Billion CFU

Pre-Probiotic Capsules, 90 Billion CFU
 Streptococcus Thermophilus 30 Billion Spores, Lactobacillus Acidophilus 30 Billion Spores,
 Bifidobacterium Longum 30 Billion Spores, Fructo-Oligosaccharides 200 mg

Detoxify & Improve Renal Function

Detoxiren[®] 45

Pre-Probiotic Capsules, 45 Billion CFU
 Streptococcus Thermophilus 15 Billion Spores, Lactobacillus
 Acidophilus 15 Billion spores, Bifidobacterium Longum 15
 billion spores, Fructo-Oligosaccharides 100 mg

Detoxify & Improve Renal Function

Detoxiren[®] 15

Pre-Probiotic Capsules, 15 Billion CFU
 Streptococcus Thermophilus 5 Billion Spores, Lactobacillus
 Acidophilus 5 Billion spores, Bifidobacterium Longum 5
 billion spores, Fructo-Oligosaccharides 100 mg

Product Description:

Detoxiren 90:

Each hard gelatin capsule contains:

- Streptococcus Thermophilus 30 Billion Spores
- Lactobacillus Acidophilus 30 Billion Spores
- Bifidobacterium Longum 30 Billion Spores
- Fructo-oligosaccharides 200 mg

Detoxiren 45:

Each hard gelatin capsule contains:

- Streptococcus Thermophilus 15 Billion Spores
- Lactobacillus Acidophilus 15 Billion Spores
- Bifidobacterium Longum 15 Billion Spores
- Fructo-oligosaccharides 100 mg

Detoxiren 15:

Each hard gelatin capsule contains:

- Streptococcus Thermophilus 5 Billion Spores
- Lactobacillus Acidophilus 5 Billion Spores
- Bifidobacterium Longum 5 Billion Spores
- Fructo-oligosaccharides 100 mg

General Information

Detoxiren is a pre-probiotic combination that is used to stabilize healthy gut flora. It is an oral dietary supplement that has been used to reduce nitrogenous waste metabolites in the bowel.

Detoxiren contains naturally occurring microbes that target and metabolize various nitrogenous wastes that diffuse from the blood-stream into the bowel. These

beneficial microbes have a high affinity to metabolize and consume the targeted nitrogenous waste products.

Detoxiren also contains Fructo-oligosaccharides which are used as prebiotic or fiber components. Prebiotics are defined as non-digestible food ingredients that induce the growth and/or activity of beneficial microorganisms in the host. Prebiotic are indigestible until they reach the bowel where it is used as a food for the microbes present in the large bowel. Hence, prebiotics are often used as a source of dietary fiber and largely used in all dietary supplements. Dietary fibers are often beneficial for promoting additional good bacteria in the large bowel

Indication & Usage

Detoxiren is indicated in to reduce the uremic toxins in renal Impaired patients

DOSAGE AND ADMINISTRATION

Detoxiren 45/15: 1-2 capsules twice daily with a meal for 3 months

Detoxiren 90: 1 capsule once/twice daily with a meal for 3 months

Mechanism of action

The probiotics makes the colony forming units in large intestines. In chronic kidney disease patients, nitrogenous wastes build up in the blood and diffuse into the intestinal fluid by natural physiological process.

1. The nitrogenous wastes diffuse into the colon via an extensive network of blood vessels.
2. Probiotic microbes enter the large intestine into the ileo-caecal region.
3. Once in the colon, the microbes target and metabolize the uremic nitrogenous wastes as nutrients for its growth.
4. The microbes started to multiply, and thereby allows for even greater diffusion of nitrogenous wastes from the circulating blood stream into the bowel.
5. The “nitrogenous waste/microbe” metabolites are finally excreted out from the body as solid waste fecal matter.

Pharmacodynamics

Detoxiren Each capsule supplies 90 or 45 or 15 billion active cells, otherwise called colony forming units (CFU).

Streptococcus thermophilus 30 billion CFU or 15 billion CFU or 5 billion CFU

These bacteria help in cleansing the bloodstream of urea and uric acid by utilizing urea/Creatinine/uric acid as nutrients for its increased growth and survival

Lactobacillus acidophilus 30 billion CFU or 15 billion CFU or 5 billion CFU

There has been reduced concentration of toxins (methylamine, demethylamine, nitrosamines and several other carcinogenic amines) in the bloodstream in dialysis patients, who were given freeze-dried Lactobacillus acidophilus. In addition, it also helps to prevent the growth of pathogenic bacteria in the small bowel.

Bifidobacterium longum 30 billion CFU or 15 billion CFU or 5 billion CFU

Various phenolic and indole metabolic toxic compounds are utilized by these bacteria in the colonic region as its nutrients for growth.

Drug Interaction:

- Probiotic supplements can preferably be taken 2 to 4 hours after the antibiotics. Probiotics used too soon after an antibiotic dosing could result in a loss of antibiotic efficacy.
- Probiotic gains in friendly bacteria populations will be reduced by antibiotic therapy. Patients should be encouraged to support and maintain probiotic populations during and after an antibiotic course.

Side Effects:

Probiotics are generally considered as safe for consumption. Side effects, if they occur, are considered as mild (such as gas or flatulence) and usually disappear after two or three weeks of continuous usage.