

# Renadyl®

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## Composition:

### Each veg capsule contains:

Streptococcus thermophilus KB27	}	45 Billion CFU(Colony Forming Unit)
Lactobacillus acidophilus KB27		
Bifidobacterium longum KB31		
Xylo oligosaccharides (as prebiotic)		60mg
Inulin (Prebiotic)		60mg
Magnesium stearate (emulsifier) [INS 470]		5mg

## Description:

Renadyl™ is an oral proprietary dietary supplement that has been scientifically formulated and clinically tested to reduce nitrogenous waste metabolites in the bowel and also stabilize healthy gut flora. Probiotic formulation of S.thermophilus (KB 19), L.acidophilus (KB27) and B.longum (KB31) are 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. The nitrogenous waste products targeted by Renadyl™'s formulation include several metabolites. Some of these are urea, uric acid, creatinine, indoles, phenols, nitrosoamines and several other nitrogenous wastes products.

Renadyl™ also contains the psyllium seed husk which is considered a prebiotic or fiber component. Generally, a prebiotic component like psyllium seed husks is indigestible until they reach the bowel where it is used as a food for the trillions of 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.

## Mechanism of Action:

The mechanism takes place in the large intestines. As the kidney function declines, nitrogenous wastes build up in the blood and diffuse into the intestinal fluid by natural physiological process.

- The nitrogenous wastes diffuse into the colon via an extensive network of blood vessels.



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- Probiotic microbes enter the large intestine into the ileo-caecal region.
- Once in the colon, the microbes target and metabolize the uremic nitrogenous wastes as nutrients for its growth.
- The microbes begin to multiply, and this in turn allows for even greater diffusion of nitrogenous wastes from the circulating blood stream into the bowel.
- The “nitrogenous waste/microbe” metabolites are eventually eliminated from the body as solid waste fecal matter.

**Indication:**

Indicated as dietary supplement in patients of CKD (Stage 3 - 5).

**Contraindication:**

None are reported.

**Drug Interaction:**

None are reported.

**Adverse effects:**

Probiotics are generally regarded as safe for consumption. The Renadyl™ gel capsule is more efficacious when taken immediately after each meal. 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.

**Warnings and Precautions:**

- It is important to note that Renadyl™ should be used for a full 3 months to receive its full benefits
- Probiotic supplements can preferably be taken 2 to 4 hours after the antibiotics.
- Renadyl™ is a dietary supplement. It is not a drug, medicine or device. It helps to maintain healthy kidney function and not intended for dialysis or for substituting other drugs.

**Use in special population:**

1. **Pediatric:** Safe and efficacy has not been evaluated in children.
2. **Geriatric:** Safe.
3. **Liver impairment:** Not data is available for safety and efficacy in patient with liver diseases.
4. **Renal failure:** Safe.
5. **Pregnancy and lactation:** Doctor's advice is recommended.

**Dosage:**

With the improved Renadyl™ formulation, take 2 to 4 capsules daily with food or as recommended by physician.



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**Presentation:**

Renadyl™ is available in pack of 10 capsules.

**Storage and handling:**

Store between 4°-8°C in refrigerator.

Do not freeze. Keep away from direct sunlight and moisture.

Keep out of reach of children.



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