

# Renadyl™

Intestinal Dialysis™ for Kidney Health

## Product Information Sheet

### PROBIOTICS

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. Our 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.\*

### PREBIOTICS

Renadyl™ also contains Inulin and Xylo-oligosaccharides which are considered prebiotic or fiber components. Generally, prebiotic components such as Inulin and Xylo-oligosaccharides are 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.

### WHAT NITROGENOUS WASTE PRODUCTS ARE TARGETED?

The nitrogenous waste products targeted by Renadyl™'s formulation include several metabolites. Some of these are urea, uric acid, creatinine, indoles, phenols, nitrosamines and several other nitrogenous wastes products.\*

### DOSAGE AND ADMINISTRATION

With the improved Renadyl™ formulation, take 1-2 capsules twice daily with a meal, or as suggested by your healthcare professional. It is important to note that Renadyl™ should be used for a full 3 months to receive its full benefits.

### SIDE-EFFECTS OR REACTIONS

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.

### RENADYL™ TECHNOLOGY - HOW IT WORKS?

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.

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 begin to multiply, and this in turn allows for even greater diffusion of nitrogenous wastes from the circulating blood stream into the bowel.



**A Pioneering product of Kibow Biotech, Inc.**

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### PROPRIETARY PROBIOTIC FORMULATION OF RENADYL™

#### Supplement Facts

Serving Size: 1 Capsule  
Servings per Container: 60

	Amount Per Capsule	% Daily Value
Proprietary Blend	45 Billion CFU*	
<i>S. thermophilus</i> (KB 19)		**
<i>L. acidophilus</i> (KB 27)		
<i>B. longum</i> (KB 31)		
Xylo-oligosaccharide (prebiotic)		**
Inulin (prebiotic)		**

\* CFU = Colony Forming Unit

\*\* Daily Value not Established

Other ingredients: Magnesium Stearate

### ACID-RESISTANT CAPSULES

The acid-resistant designed to protect the probiotics within the capsule until they are needed. When the capsule reaches the colon, the probiotics are released intact.

### PRODUCT STABILITY

Renadyl™ is fully stable without refrigeration for up to 2 weeks. Upon receipt of shipment, the product should be stored in your refrigerator to maintain maximum effectiveness.

\* The statements contained in this website have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease. Results may vary. The content is for informational and educational purposes only.

# FAQs

## Q. Are there any side effects?

The only side effects experienced by patients in our safety trials was minor bloating that disappeared in about a week while they continued taking the supplement.

## Q. Can your product replace dialysis?

Our product 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.

## Q. Why are RENADYL™'s microbes more effective than other probiotics for ingesting uremic toxins?

Our clinical studies have shown that our 3 strains of probiotics have highest affinity for urea, creatinine and various other uremic toxins. These 3 strains are specially grown and are intended to metabolize various nitrogenous waste in the body. They are acid-resistant, thus improving efficiency.

## Q. Are these genetically modified microbes?

No, they are natural microbes.

## Q. What are some of the toxins metabolized by the product?

The microbes in question demonstrate a strong affinity for many of the nitrogenous wastes which accumulate in the blood in the event of kidney failure. These include urea, uric acid, creatinine, indoles and phenols, nitrosamines and various other uremic toxins.

## Q. Can I take antibiotics with this product?

You can take probiotics during antibiotic treatments.



Probiotic supplements can preferably be taken 2 to 4 hours after the antibiotics.

## Q. Is the product toxic?

An animal formulation has been on the market for kidney compromised cats and dogs since 2006. No adverse effects in these animals have been observed. Recently completed results from human clinical trials have reaffirmed this safety.

## Q. Is RENADYL™ FDA approved?

FDA regulates dietary supplements under a different set of regulations than those covering "conventional" foods and drug products (prescription and Over-the-

Counter). Under the Dietary Supplement Health and Education Act of 1994 (DSHEA), the dietary supplement manufacturer is responsible for ensuring that a dietary supplement is safe before it is marketed. FDA is responsible for taking action against any unsafe dietary supplement product after it reaches the market. Generally, manufacturers do not need to register their products with FDA nor get FDA approval before producing or selling dietary supplements. Manufacturers must make sure that product label information is truthful and not misleading. The probiotic ingredient strains used in our proprietary, patented formulation are considered safe under Generally Recognized as Safe (GRAS) classification by the FDA.

## Q. How is the product manufactured?

The product is manufactured adhering to Current Good Manufacturing Practices (cGMPs). cGMP regulations are enforced by the US Food and Drug Administration (FDA). cGMPs provide for systems that assure proper design, monitoring, and control of manufacturing processes and facilities. Adherence to the cGMP regulations assures the identity, strength, quality, and purity of products by requiring that manufacturers adequately control manufacturing operations.

