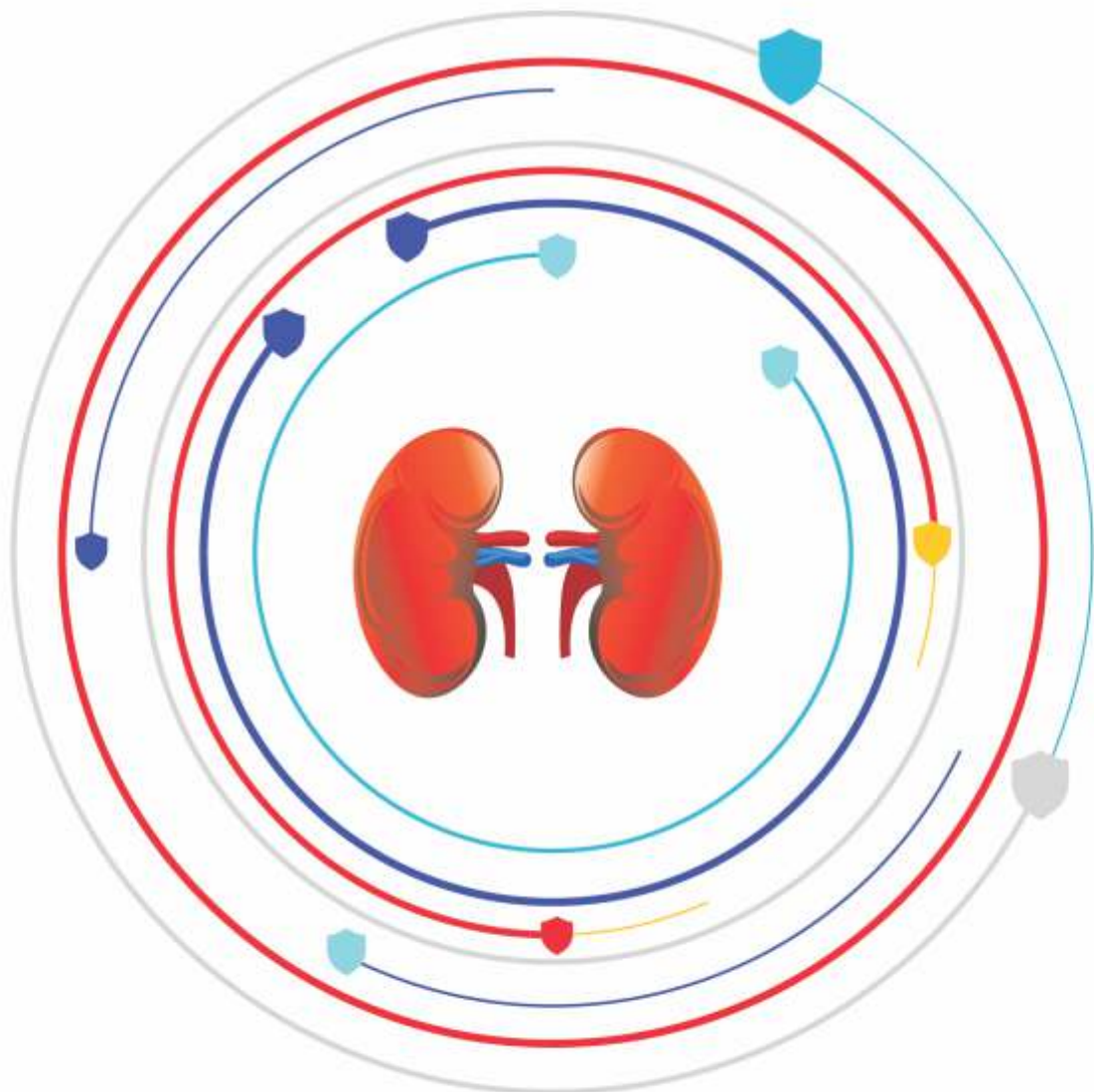


la Renon

RENOQUE

Ubidecarenone Capsules 180 mg



THE RADICAL PROTECTANT

RENOQUE

Ubidecarenone Capsules 180 mg

Description:

- Coenzyme Q10 is synthesized intracellularly in the human body using tyrosine as the fundamental building block.
- Certain situations can disrupt the body's ability to produce enough CoQ10 to meet requirements.
- A CoQ10 deficiency could result from: (1) impaired CoQ10 synthesis due to nutritional deficiencies (such as vitamin B6 deficiency), (2) a genetic or acquired defect in CoQ10 synthesis or utilization, or (3) increased tissue needs resulting from a particular illness is maintained to ensure mitochondrial health, and this forms the rationale for CoQ10 therapy.

Indication:

- Renoque is indicated to delay the CKD progression and it also acts as an Antioxidant.

Mechanism of Action:

- The primary role of CoQ10 is as a vital intermediate of the electron transport system in the mitochondria.
- Adequate amounts of CoQ10 are necessary for cellular respiration and ATP production.
- Due to its involvement in ATP synthesis, CoQ10 affects the function of all cells in the body, making it essential for the health of all tissues and organs.
- CoQ10 also functions as an intercellular antioxidant at the mitochondrial level, perhaps accounting for its benefit in renal function, neurodegenerative diseases, male infertility and periodontal disease.

Role in CKD:

- Research articles have postulated that treatment with coenzyme Q10 (180 mg/ day) in patients with renal failure was associated with a significant reduction in blood urea and serum creatinine, with an increase in creatinine clearance and urine output.
- Also, studies state that treatment with antioxidant coenzyme Q10 in patients with end-stage renal failure was associated with a significant decline in serum creatinine and blood urea nitrogen with an increase in creatinine clearance and urine output after 12 weeks of follow-up.

Dosage:

1 to 2 Capsule daily or as recommended by Registered medical practitioner.

Advantages:

- 1) Improves renal function in CKD patients
- 2) Reduces the need for dialysis in CKD patients
- 3) Works as an intercellular antioxidant
- 4) Improves outcomes in hemodialysis patients by reducing markers of oxidative stress and inflammation
- 5) Safe and well tolerated

Reference: Journal of Kidney Care Vol 4 no 2 March 2019

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