



ENZYMATIC CREATININE

Creatinine

Creatinine is a waste product excreted from the blood into the urine via the kidneys. It is a by-product of normal muscle function. The more muscle one has the more creatinine their body will produce. Therefore levels of creatinine in the blood reflect both muscle mass and more importantly kidney function. Kidney damage results in creatinine being retained in the blood.

Your kidneys are very important, they filter out waste whilst hanging on to the healthy components, help make red blood cells and keep your bones strong. Creatinine clearance in the kidney gives a measure of the Glomerular Filtration Rate (GFR) and is the standard marker for renal function. Since its rate of excretion is constant, elevation of plasma creatinine is indicative of under-excretion, suggesting kidney impairment.

Did you know?

In England, according to a recent report published by NHS Kidney Care, chronic kidney disease costs more than breast, lung, colon and skin cancer combined.

Enzymatic creatinine

There are many advantages of using enzymatic creatinine as a substitute for Jaffe creatinine:

- More accurate assessment of eGFR.
- No known interferences from bilirubin, ascorbic acid, serum/plasma indices or a wide range of drugs.
- Highly specific.
- No interferences from endogenous creatinine as no sample blank is required.
- Eliminates the need for urea determination.

Features of Randox Creatinine-Enzymatic UV

- UV enzymatic method - delivering high performance.
- Applications available for a wide range of biochemistry analysers - detailing instrument specific settings for the convenient use of Randox Creatinine on a variety of systems.
- Excellent stability - working reagent stable for 30 days.
- Highly sensitive - 18 μ mol/l.
- Standard included in kit and is traceable to creatinine reference materials NIST 909b and NIST 967.
- Complementary controls and calibrators available for a complete testing package

Useful links

[Download our Reagents Brochure](#) for information on a wide range of clinical assays from Randox.

[Contact us via our enquiry form](#) and we will get back to you.

Buy online via our Randox Store www.store.randox.com