

Human Urine Cystatin C Positive Single Donor

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| Catalog No. | CSI20370A | Quantity: | 50 ml |
| | CSI20370B | | 100 ml |

Description: Current research supports Cystatin C as a more sensitive endogenous marker for estimation of Glomerular Filtration Rate GFR. Cystatin C is a very small protein and is a member of the cysteine proteinase inhibitor family and is produced at a constant rate by all nucleated cells. Since Cystatin C is only 13 kDa which is considered a small protein, Cystatin C is fully reabsorbed and broken down by the renal tubules and not secreted. When the kidneys are functioning normally, concentrations of Cystatin C in the blood are stable, but as kidney function deteriorates, the concentrations begin to rise. Research also supports that Cystatin C levels are unaffected by race, age, mass or gender making it the most sensitive of markers during early stages of Chronic Kidney Disease. Cystatin C has many clinical applications, with diabetes, cardiovascular disease and stroke all linked to renal dysfunction. It is a very important marker for renal function in kidney transplant patients and has great significance in monitoring cancer therapeutics. Renal function can be damaged by cancer therapeutics therefore early detection shown through Cystatin C levels would allow the oncologist to adjust the drug dosage, preventing irreversible kidney damage.

Concentration: Greater than 5 mg/liter Cystatin C.

Source: Patients positive with Kidney Disease

Form: Raw Unprocessed Urine

Storage & Stability: Store at -20°C.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

