



Creatinine

Creatinine is a breakdown product of creatine produced by muscles. Creatinine is removed from the body by the kidneys, which filter it from the blood and release it into the urine. Serum creatinine has been used as biomarker for acute kidney injury and chronic kidney disease. Urinary creatinine is used to test sample dilution, and biomarker-to-creatinine ratio can be used to correct the fluctuation of urine volume.

Applications

- ▶ Kidney function



Panel	LLOQ*	
	Urine	Plasma/Serum
Creatinine	50 µg/mL	2 µg/mL

*Lower Limit of Quantitation (LLOQ) varies for each sample type

The panel is for non-GxP testing and is not for diagnostic use

Analysis Method and Instrumentation

LC-MS/MS (Agilent 1290 UHPLC/Sciex QTrap 5500)

Sample Type and Required Amounts

Sample Type	Sample Requirement
Plasma/Serum	100 - 150 µL
Urine	100 - 150 µL
Others on request	

Contact us to get started
info@metabolon.com

+1 (919) 572-1711

metabolon.com

617 Davis Drive, Suite 100, Morrisville, NC, 27560

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