



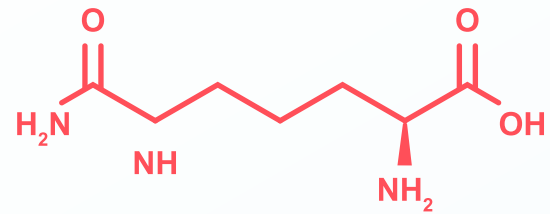
Urea Cycle

The urea cycle is a cycle of biochemical reactions that occurs mainly in the liver to safely remove ammonia (byproduct of the amino acid catabolism) and CO₂ - by converting them into urea, a less toxic substance that can be more easily excreted in the urine.

Urea cycle disorders represent a group of rare inherited metabolic disorders, resulting from a partial or complete deficiency of one of the urea cycle components, resulting in accumulation of ammonia, which may cause cerebral edema, and eventually, neurologic injury.

Applications

- ▶ Liver disease
- ▶ Kidney function



Panel	LLOQ
	Plasma/Serum
Arginine	1.00 µg/mL
Ornithine	0.250 µg/mL
Citrulline	0.200 µg/mL

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
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
 © 2021 Metabolon, Inc. All rights reserved. TA.URC.211111