

Urinary amino acid analysis: UAA and UCOAL

There are now two different tests for measurement of amino acids in URINE:

UAA

Full amino acid profile

Ion exchange chromatography

(Biochrom)

UCOAL

ONLY

Cystine, Ornithine,

Arginine & Lysine

Tandem mass spectrometry

*NB: NEW
REFERENCE RANGES*

Which test?

Filename	SLMM-LI-19 UAA vs UCOAL leaflet	Version	2
Author	Claire Gallagher	Issue date	
Authorised by	Erin Emmett		



Renal stones Cystinuria UCOAL

Investigation of:

Primary renal tubular disease

Lysinuric protein intolerance (LPI)

Hartrup disease

Secord A renal

tubular disease

Sulphite oxidase deficiency

Molybdenum cofactor deficiency

Hypophosphatasia

Argininosuccinic aciduria

HHH syndrome

? Inherited metabolic discolar

PLASMA (1 line AA tests)

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Urine samples received for amino acid analysis that are not deemed to be clinically indicated are not analysed, but are stored for two months and can be analysed on request.

The IMD laboratory can be contacted on 0207 188 9652 or synnovis.imd@nhs.net for further advice.

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