

## AMINO ACID PROFILE, QUANTITATIVE

This panel is used to monitor body functions and nutritional status.

In the body, certain inborn errors can result in the loss of a specific enzyme or transport activity. These errors can manifest as an alteration of normal metabolism of one or more amino acids. The identification of one or more of these metabolites is useful for the detection of these inborn errors of metabolism. Increased amino acid concentrations in plasma may reflect inherited metabolic abnormalities, as in the tyrosemias or phenylketonuria. This panel includes the following amino acids:

alanine	hydroxylysine
beta-alanine	hydroxyproline
amino-beta-guanidino-propionic acid	isoleucine
alpha-amino-N-butyric acid	leucine
alpha-aminoadipic acid	lysine
gamma-aminobutyric acid	methionine
beta-aminoisobutyric acid	1-methylhistidine
anserine	3-methylhistidine
arginine	ornithine
asparagine	phenylalanine
aspartic acid	phosphoethanolamine
carnosine	phosphoserine
citrulline	proline
cystathionine	sarcosine
cystine	serine
glutamic acid	taurine
glutamine	threonine
glycine	tyrosine
histidine	tryptophan
homocystine	valine

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