

**Results:**

Tests	Results	H/L	Reference ranges	
<b>Amino acid disorders</b>				
Phenylalanine (Phe)	50		33 - 93	umol/L
Leucine/Isoleucine (Xle)	130		69 - 198	umol/L
Valine (Val)	230		112 - 358	umol/L
Methionine (Met)	28		15 - 52	umol/L
Citrulline (Cit)	42		19 - 53	umol/L
Tyrosine (Tyr)	48		23 - 120	umol/L
Alanine (Ala)	246		146 - 387	umol/L
Threonine (Thr)	131		80 - 184	umol/L
Arginine (Arg)	35		17 - 62	umol/L
Glutamic acid (Glu)	<b>93</b>	<b>L</b>	182 - 399	umol/L
Glycine (Gly)	181		103 - 276	umol/L
Proline (Pro)	<b>114</b>	<b>L</b>	133 - 309	umol/L
Serine (Ser)	169		111 - 356	umol/L
Glutamine (Gln)	<b>405</b>	<b>L</b>	431 - 962	umol/L
Ornithine (Orn)	70		67 - 248	umol/L
Lysine (Lys)	150		140 - 370	umol/L
Histidine (His)	<b>10</b>	<b>L</b>	12 - 148	umol/L
Asparagine (Asn)	57		27 - 79	umol/L
Tryptophan (Trp)	112		95 - 252	umol/L

**Disclaimer:** The requested analyses are not intended for the diagnosis of inborn errors of metabolism and the results are reported without interpretation.

Please take note that the reference ranges have changed as from 26 October 2018.