

Centre for Human Metabolomics (CHM)

Test:	Quantitative Phenylalanine BLOOD CARD SAMPLE																								
Test Code:	4238 x1																								
Tariff (including VAT):	R 453.27																								
Description:	Assay, quantification and interpretation.☐																								
Turnaround time:	9 work days from receipt of sample at our laboratory																								
Transit stability / Sample viability:	Keep in sealed paper envelope after dried according to requirements, send separate from other specimens and send within 2 days after collection. Viability: 1 month, kept in a dry place.																								
Comments:	1. Place dried blood card in sealed paper envelope and NOT in plastic bag. 2. Blood card must NOT be placed in envelope before completely dry .																								
Sample required:	1x Blood Card Sample – 4 complete circles																								
Method:	Tandem-MS																								
Reference ranges & units:	<p style="text-align: center;">Reference ranges in $\mu\text{mol/L}$:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>Phenylalanine</th> <th>Tyrosine</th> </tr> </thead> <tbody> <tr> <td>1-7 days:</td> <td>< 150</td> <td>< 300</td> </tr> <tr> <td>8-60 days:</td> <td>52 - 97</td> <td>56 - 108</td> </tr> <tr> <td>2-6 months</td> <td>52 - 97</td> <td>72 - 216</td> </tr> <tr> <td>6-24 months</td> <td>23 - 69</td> <td>11 - 122</td> </tr> <tr> <td>2-10 years:</td> <td>26 - 61</td> <td>31 - 71</td> </tr> <tr> <td>10-18 years</td> <td>39 - 76</td> <td>43 - 88</td> </tr> <tr> <td>>18 years</td> <td>37 - 88</td> <td>26 - 78</td> </tr> </tbody> </table> <p style="text-align: center;">Phenylalanine/Tyrosine ratio: < 2.4</p>		Phenylalanine	Tyrosine	1-7 days:	< 150	< 300	8-60 days:	52 - 97	56 - 108	2-6 months	52 - 97	72 - 216	6-24 months	23 - 69	11 - 122	2-10 years:	26 - 61	31 - 71	10-18 years	39 - 76	43 - 88	>18 years	37 - 88	26 - 78
	Phenylalanine	Tyrosine																							
1-7 days:	< 150	< 300																							
8-60 days:	52 - 97	56 - 108																							
2-6 months	52 - 97	72 - 216																							
6-24 months	23 - 69	11 - 122																							
2-10 years:	26 - 61	31 - 71																							
10-18 years	39 - 76	43 - 88																							
>18 years	37 - 88	26 - 78																							
Consultant/Scientist:	Dr Marli Dercksen / Prof Chris Vorster																								
Telephone number:	018 299 2302 / 018 299 4196																								
E-mail address:	marli.dercksen@nwu.ac.za / chris.vorster@nwu.ac.za																								
Contact for results & other enquiries:	Ansie Mienie																								
Telephone number:	018 299 2312 / 018 299 1815 / 018 285 2652 (leave message)																								
Fax number:	018 299 2316																								
E-mail address:	ansie.mienie@nwu.ac.za																								
Delivery address for samples:	Att: Dr M Dercksen, School for Biochemistry, PLIEM LAB POTCH, Building F3, Laboratory G20 (ground floor), 11 Hoffmann street, North West University, Potchefstroom																								