

Centre for Human Metabolomics (CHM)

<b>Test:</b>	<b>Quantitative Phenylalanine BLOOD CARD SAMPLE</b>																								
<b>NHRPL Tariff code:</b>	4238 x1																								
<b>Tariff (including VAT):</b>	R 489.53																								
<b>Description:</b>	Assay, quantification and interpretation.																								
<b>Turnaround time:</b>	9 work days from receipt of sample at our laboratory																								
<b>Transit stability / Sample viability:</b>	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.																								
<b>Comments:</b>	1. Place <b>dried blood card in sealed paper envelope</b> and NOT in plastic bag. 2. Blood card must <b>NOT be placed in envelope before completely dry</b> .																								
<b>Sample required:</b>	1x Blood Card Sample – 4 complete circles																								
<b>Method:</b>	Tandem-Mass spectrometry																								
<b>Reference ranges &amp; units:</b>	<p>Reference ranges in <math>\mu\text{mol/L}</math>:</p> <table border="1"> <thead> <tr> <th></th> <th><b>Phenylalanine</b></th> <th><b>Tyrosine</b></th> </tr> </thead> <tbody> <tr> <td>1-7 days:</td> <td>&lt; 150</td> <td>&lt; 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>&gt;18 years</td> <td>37 - 88</td> <td>26 - 78</td> </tr> </tbody> </table> <p>Phenylalanine/Tyrosine ratio: &lt; 2.4</p>		<b>Phenylalanine</b>	<b>Tyrosine</b>	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
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<b>Contact for results &amp; other enquiries:</b>	Sample reception and resulting																								
<b>Telephone number:</b>	018 299 2312 / 018 285 2652 (leave message)																								
<b>Fax number:</b>	018 299 2316																								
<b>E-mail address:</b>	pliem@nwu.ac.za																								
<b>Delivery address for samples:</b>	Center for Human Metabolomics (CHM), Sample reception (PLIEM/NBS/CRS) Building F3, Room Number G19, 11 Hoffmann street North West University, Potchefstroom, 2531																								