

SCOPE OF TESTS & TARIFFS 2022

[A] NEWBORN SCREENING

Please contact **Next Biosciences** with regards to general information including disease coverage, sample specifications and collections and counseling. firstscreen@nextbio.co.za bronwyn.rousot@nextbio.co.za,
 Office :+27 (0)11 697 2900 | Direct: +27 (0)11 697 2946

NHRPL CODE	NBS MNEMONIC	ANALYSIS	TYPE OF SAMPLE & SAMPLE VOLUME REQUIRED	TARIFF (15% VAT INCLUDED)
4083 OR (4238 x 3 +4268 +4592)	NNBS	NEWBORN SCREENING	1 x Dried blood spot [DBS] sample 4 Completed circles	R 1,531.32
4083 OR (4238 x 3 +4268 +4592)	NNBSInt	NEWBORN SCREENING (International)	1 x Dried blood spot [DBS] sample 4 Completed circles	R 1,103.43

[B] SINGLE ANALYSES

IMPORTANT: Our methods are based on the creatinine values of urine samples received. Therefore the U-CREATININE [4221] and URIC ACID [4321] analyses are done standard on ALL URINE SAMPLES received. The labstix screening test is also done on all urine samples [4188]

NHRPL CODE	PLIEM MNEMONIC	ANALYSIS	TYPE OF SAMPLE & SAMPLE VOLUME REQUIRED	TARIFF (15% VAT INCLUDED)
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SCREENING ANALYSES

4221	PCULu	U-Creatinine	1ml urine	R 54.18
4321		U-Uric acid	1ml urine	R 54.18
4188		U-Labstix	Few drops of urine	R 22.11

Discontinued		U-Sulfistix (Discontinued)	Discontinued	Discontinued
4248	PREDu	U-Reducing substances	Few drops of urine	R 26.54
4216	PDMBu	U-Total GAGs / MPS-DMB-screening	5 ml random urine	R 170.27
4326	PGAGu	U-Mucopolysaccharide GAGs (LCMS/MS)		R 1,137.71
4285 x 2	POLIGOu & PFRUCu	U-TLC-oligosaccharides & Quantitative fructose	4ml random urine	R 343.86

ORGANIC ACIDS

4268	POAu	U-Organic acids - includes orotic acid (GC/MS) with/without succinylacetone	5-7 ml random urine	R 2,455.63
4268 x 2	PPEROXb	S-Very long chain fatty acids, S-Phytanic acid, S-Pristanic acid (GC/MS) (VLCFA)	2 ml SST serum	R 4,911.25
4194	PPIPEb	S-Pipecolic acid	1 ml SST serum	R 1,639.66

ACYLCARNITINE PROFILE [TANDEM-MS]

4020	PCARNu	U-Free carnitine	2 ml urine	
4020		U-Total carnitine		
4022		U-Acyl carnitine		
				Total of U-Carnitine profile: R 1,123.33
4020	PCARNb	S-Free carnitine	1 ml serum	
4020		S-Total carnitine		
4022		S-Acylcarnitine		
				Total of S-Carnitine profile: R 1,123.33
4020	PCARNg	G-Free carnitine	1 x Dried blood spot [DBS] sample 4 completed circles	
4020		G-Total carnitine		
4022		G-Acyl carnitine		
				Total of G-Carnitine profile: R 579.36
Discontinued	PCARNa	Af-Free carnitine	Discontinued	
		Af-Total carnitine		
		Af-Acyl carnitine		

AMINO ACID PROFILE [LC-MS/MS]

4194	PAAu	U-Quantitative Amino acids	2 ml urine	R 1,639.67
4194	PAAb	S-Quantitative Amino acids (includes phenylalanine/PKU)	1 ml serum	R 1,639.67
4194	PAAg	G-Quantitative Amino acids	1 x Dried blood spot [DBS] sample - 4 completed circles	R 579.36

SINGLE AMINO ACID ANALYSIS [LC-MS/MS]

4238	NPPKU	G-Phenylalanine (PKU)	1 x Dried blood spot [DBS] sample - 4 completed circles	R	579.36
4238	PCYSRu	U-Cystine (Random urine)	10 ml random urine	R	579.36
4238	PCYS24	U-Cystine (24 hour volume)	10 ml of 24h urine volume	R	579.36
Discontinued	PHCYSRu	U-Homocystine (Random urine) (discontinued)	Discontinued		
Discontinued	PHCYS24	U-Homocystine (24 hour volume) (discontinued)	Discontinued		
4194 x 2	PGlys-CSF	S-Glycine & CSF-glycine (both required)	1 ml serum & 1ml CSF	R	3,278.23
Discontinued	NPCIT	G-Quantitative Citrulline (Discontinued)	Discontinued		
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OTHER SPECIALISED TESTS

4268	PCDGg	Glycoprotein (transferrin) profiling- (Congenital Disorders of Glycosylation screen)	1 x serum sample AND 1 x Dried blood spot [DBS] sample- 4 completed circles	R	2,455.63
4268 x4	PTMA	U-Quantitative TMA and FMO3 gene sequencing.	15 ml urine for each urine interval & 2 x EDTA blood tubes	R	9,822.51
4268	NPBIOT	Biotinidase Enzyme Activity assay	1 x Dried blood spot [DBS] sample-4 completed circles	R	1,133.42
4238	NPGAL	Quantitative Galactose-1-Phosphate	1 x Dried blood spot [DBS] sample-4 completed circles	R	579.36
6 x 4256 + 1 x 4117	MITO2018	Mitochondrial respiratory chain enzyme analyses (muscle)(PRIVATE). IMPORTANT: See collection specification	Min 100 mg skeletal muscle, preferably from vastus lateralis.	R	11,143.74
4592	NPIRT	Immunoreactive trypsinogen (IRT) - Only in patients younger than 24 days	1 x Dried blood spot [DBS] sample- 4 completed circles	R	579.36
4268	PPLSDg	Selective Lysosomal storage disorder screening (Krabbe, Fabry, Pompe, Niemann-Pick A/B, MPS 1 and Gaucher disease - 6-PLEX-TEST)	1 x Dried blood spot [DBS] sample-4 completed circles. Important: log sample on PLSD mnemonic and collect DBS on specialized DBS-kits. Request specialized DBS-kits from pliemand@nwu.ac.za	Sponsored testing	
Discontinued	POAaf	Pre-Natal metabolite analysis (Discontinued)	DISCONTINUED		

IMPORTANT:

For all specialised tests including specialised metabolite analysis, enzymatic and genetic services, not indicated in this document, a quotation should be requested from our CHM NWU Potchefstroom laboratories. E-mail quotation request to: marli.dercksen@nwu.ac.za / ansie.mienie@nwu.ac.za

[C]

FULL METABOLIC PROFILE

URINE ONLY

Urine volume required: 10 - 15 ml urine, frozen overnight, sent on dry ice

NHRPL CODE	PLIEM MNEMONIC	ANALYSIS	TYPE OF SAMPLE & SAMPLE VOLUME REQUIRED	TARIFF (15% VAT INCLUDED)
4221	PMSUR2022	U-Creatinine	1ml urine	R 54.18
4321		U-Uric acid	1ml urine	R 54.18
4188		U-Labstix	few drops of urine	R 22.11
Discontinued		U-Sulfistix (Discontinued)	Discontinued	
4248		U-Reducing substances	few drops of urine	R 26.54
Discontinued		U-Cystine (Discontinued)	Discontinued	
Discontinued		U-Homocystine (Discontinued)	Discontinued	
4268		U-Organic acids - includes orotic acid (GC/MS)	5-7ml urine	R 2,455.63
4285 x 2		U-TLC-oligosaccharides & Quantitative fructose	5ml urine	R 343.85
4216		U-Total glycosaminoglycan (GAGs/MPS)(DMB spectrophotometry)	5ml urine	R 170.27
4326		U-Individual glycosaminoglycan (GAGs/MPS) (LC-MS/MS)		R 1,137.70
4194		U-Quantitative Amino acids (GCMS)	1ml urine	R 1,639.66
4020		U-Free carnitine	2ml urine	R 1,123.33
4020		U-Total carnitine		
4022		U-Acyl carnitine		
Total of full metabolic screen (urine only):				R 7,027.47

CHM NWU LABORATORY POTCHEFSTROOM - SCOPE OF TESTS LIST 2022

PLEASE NOTE: Collection, courier and administration costs are not included.

Protocol for each individual test is available on our website: www.pliem.co.za