

SCOPE OF TESTS & TARIFFS 2020

[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 Guthrie card [DBS] 4 Completed circles	R 1 385.00
4083 OR (4238 x 3 +4268 +4592)	NNBSInt	NEWBORN SCREENING (International)	1 x Guthrie card [DBS] 4 Completed circles	R 998.00

[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]

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SCREENING ANALYSES

[PCULu]				
4221	PCREATu	U-Creatinine	1ml urine	R 49.00
4321	PUACIDu	U-Uric acid	1ml urine	R 49.00
4188	PLABSTIXu	U-Labstix	few drops of urine	R 20.00
4188	PSULFu	U-Sulfistix	few drops of urine	R 20.00

4248	PREDu	U-Reducing substances	few drops of urine	R	24.00
4216	PDMBu	U-Mucopolysaccharide Screening / DMB-screening	} 5 ml urine	R	154.00
4326	PGAGu	U-Mucopolysaccharide GAGs (LCMS/MS)		R	1 029.00
4285 x 2	POLIGOu & PFRUCu	U-TLC-oligosaccharides & Quantitative fructose	4ml urine	R	311.00

ORGANIC ACIDS

4268	POAu	U-Organic acids - includes orotic acid (GC/MS)	5 ml urine	R	2 221.00
4268	-	U-Succinylacetone (GC/MS) (on request)	5 ml serum	R	2 221.00
4268 x 2	PPEROXb	S-Very long chain fatty acids, S-Phytanic acid, S-Pristanic acid (GC/MS) (VLCFA)	2 ml serum	R	4 442.00
4194	PPIPEb	S-Pipecolic acid	1 ml serum	R	1 483.00

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CARNITINE PROFILE [TANDEM-MS]

4020	PCARNu	U-Free carnitine	} 50 µl urine		
4020		U-Total carnitine			
4022		U-Acyl carnitine			
				Total of U-Carnitine profile:	R 1 016.00
4020	PCARNb	S-Free carnitine	} 50 µl serum		
4020		S-Total carnitine			
4022		S-Acylcarnitine			
				Total of S-Carnitine profile:	R 1 016.00
4020	PCARNg	G-Free carnitine	} 1 x Blood Card [DBS] 4 completed circles		
4020		G-Total carnitine			
4022		G-Acyl carnitine			
				Total of G-Carnitine profile:	R 524.00
4020	PCARNa	Af-Free carnitine	}		
4020		Af-Total carnitine			
4022		Af-Acyl carnitine			
				Total of A-Carnitine profile:	R 1 016.00

AMINO ACID PROFILE [GCMS]

4194	PAAu	U-Quantitative Amino acids	1 ml urine	R	1 483.00
4194	PAAb	S-Quantitative Amino acids (includes phenylalanine/PKU)	1 ml serum	R	1 483.00
4194	PAAg	G-Quantitative Amino acids	1 x Blood Card [DBS] 4 completed circles	R	524.00

SINGLE AMINO ACID ANALYSIS

4238	NPPKU	G-Phenylalanine (PKU)	1 x Blood Card [DBS] 4 completed circles	R	524.00
4238	PCYSRu	U-Cystine (Random urine)	15 ml urine	R	524.00
4238	PCYS24	U-Cystine (24 hour volume)	15 ml urine	R	524.00
4238	PHCYSRu	U-Homocystine (Random urine)	15 ml urine	R	524.00
4238	PHCYS24	U-Homocystine (24 hour volume)	15 ml urine	R	524.00
4194 x 2	PGlys-CSF	S-Glycine & CSF-glycine (both required)	1 ml serum & 1ml CSF	R	2 965.00
4238	NPCIT	G-Quantitative Citrulline	1 x Blood Card [DBS] 4 completed circles	R	524.00

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OTHER SPECIALISED TESTS

4268	PCDGg	CDG screening assay (Congenital Disorders of Glycosylation)	1 x Blood Card [DBS] 4 completed circles	R	2 221.00
4268 x4	PTMA	U-Quantitative TMA (trimethylamine) and FMO3 gene sequencing.	15 ml urine & 2 x EDTA blood tubes	R	8 884.00
4268	NPBIOT	Biotinidase Enzyme Activity Determination	1 x Blood Card [DBS] 4 completed circles	R	2 076.00
4238	NPGAL	Quantitative Galactose-1-Phosphate	1 x Blood Card [DBS] 4 completed circles	R	524.00
6 x 4256 + 1 x 4117	MIT2018	Mitochondrial respiratory chain enzyme analyses (muscle)(PRIVATE). IMPORTANT: See collection specification	Min 100 mg skeletal muscle, preferably from vastus lateralis.	R	10 079.00
6 x 4256 + 1 x 4117	MIT2019NHLS	Mitochondrial respiratory chain enzyme analyses (muscle)(NHLS). IMPORTANT: See collection specification	Min 100 mg skeletal muscle, preferably from vastus lateralis.	R	5 000.00
4592	NPIRT	Immunoreactive trypsinogen (IRT) - Only in patients younger than 24 days	1 x Blood Card [DBS] 4 completed circles	R	524.00
4268	PPLSDg	Selective Lysosomal stored disorder screening (Krabbe, Farby, Pompe, Niemann- Pick A/B, MPS 1 and Gaucher disease - PLSD- screening)	2 x Blood Card [DBS] 4 completed circles (Must reach PLIEM within 2 days after collection)	R	2 221.00
Genzyme	PPLSDgPRO			R	-
4268 x 2	POAaf	Pre-Natal metabolite analysis	1 - 2 ml Amniotic fluid	R	4 442.00

Note: Informed consent for genetic testing is required. Contact PLIEM for information cost and relevant documentation required.
(ansie.mienie@gmail.com)

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 PLIEM laboratory. E-mail quotation request to: marli.dercksen@nwu.ac.za / derelize.beukes@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	PMSUR2019	U-Creatinine	1ml urine	R 49.00
4321		U-Uric acid	1ml urine	R 49.00
4188		U-Labstix	few drops of urine	R 20.00
4188		U-Sulfistix	few drops of urine	R 20.00
4248		U-Reducing substances	few drops of urine	R 24.00
4238		U-Cystine	15 ml urine	R 524.00
4238		U-Homocystine	15 ml urine	R 524.00
4268		U-Organic acids - includes orotic acid (GC/MS)	5ml urine	R 2 221.00
4285 x 2		U-TLC-oligosaccharides & Quantitative fructose	4ml urine	R 311.00
4216		U-Mucopolysaccharide Screening / DMB-screening	} 5 ml urine	R 154.00
4326		U-Mucopolysaccharide		R 1 029.00
4194		U-Quantitative Amino acids (GCMS)	1ml urine	R 1 483.00
4020		U-Free carnitine	} 50µl urine	R 254.00
4020		U-Total carnitine		R 254.00
4022		U-Acyl carnitine		R 508.00
Total of full metabolic screen (urine only):				R 7 424.00