

SCOPE OF TESTS & TARIFFS 2019

[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

CODE	ANALYSIS	TYPE OF SAMPLE & SAMPLE VOLUME REQUIRED	TARIFF (15% VAT INCLUDED)
4083 OR (4238 x 3 +4268+4592)	NEWBORN SCREENING	1 x Guthrie card 4 Completed circles	R 1 294.85
4083 OR (4238 x 3 +4268+4592)	NEWBORN SCREENING (International)	1 x Guthrie card 4 Completed circles	R 932.57

[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]

CODE	ANALYSIS	TYPE OF SAMPLE & SAMPLE VOLUME REQUIRED	TARIFF (15% VAT INCLUDED)
SCREENING ANALYSES			
4221	U-Creatinine	1ml urine	R 45.87
4321	U-Uric acid	1ml urine	R 45.87
4188	U-Labstix	few drops of urine	R 19.00
4188	U-Sulfistix	few drops of urine	R 19.00

4248	U-Reducing substances	few drops of urine	R	22.68
4216	U-Mucopolysaccharide Screening / DMB-screening	} 5 ml urine	R	144.28
4326	U-Mucopolysaccharide		R	962.11
4285 x 2	U-TLC-oligosaccharides & Quantitative fructose	4ml urine	R	290.34
ORGANIC ACIDS				
4268	U-Organic acids - includes orotic acid (GC/MS)	5 ml urine	R	2 075.76
4268	U-Succinylacetone (GC/MS)	5 ml serum	R	2 075.76
4268	S-Organic acids (GC/MS) / Free fatty acids (discontinued from 1 Feb 2018)	1 ml serum	R	2 075.76
4268 x2	S-Very long chain fatty acids (GC/MS) (VLCFA)	1 ml serum	R	4 151.52
4268	S-Phytanic acid	1 ml serum	R	2 075.76
4268	S-Pristanic acid	1 ml serum	R	2 075.76
4194	S-Pipecolic acid	1 ml serum	R	1 385.53

CODE	ANALYSIS	TYPE OF SAMPLE & SAMPLE VOLUME REQUIRED	TARIFF (15% VAT INCLUDED)
CARNITINE PROFILE [TANDEM-MS]			
4020	U-Free carnitine	} 50 µl urine	R 237.35
4020	U-Total carnitine		R 237.35
4022	U-Acyl carnitine		R 474.69
	Total of U-Carnitine profile:		R 949.39
4020	S-Free carnitine	} 50 µl serum	R 237.35
4020	S-Total carnitine		R 237.35
4022	S-Acylcarnitine		R 474.69
	Total of S-Carnitine profile:		R 949.39
4020	G-Free carnitine	} 1 x Blood Card 4 completed circles	R 237.35
4020	G-Total carnitine		R 237.35
4022	G-Acyl carnitine		R 474.69
	Total of G-Carnitine profile:		R 949.39
AMINO ACID PROFILE [GCMS]			
4194	U-Quantitative Amino acids	1 ml urine	R 1 385.53
4194	S-Quantitative Amino acids (includes phenylalanine/PKU)	1 ml serum	R 1 385.53
4194	G-Quantitative Amino acids (includes phenylalanine/PKU)	1 x Blood Card 4 completed circles	R 1 385.53
SINGLE AMINO ACID ANALYSIS			
4238	G-Phenylalanine (PKU)	1 x Blood Card 4 completed circles	R 489.53
4238	U-Cystine (24 hour volume)	15 ml urine	R 489.53

4238	U-Homocystine (24 hour volume)	15 ml urine	R	489.53
4194 x 2	S-Glycine & CSF-glycine (both required)	1 ml serum & 1ml CSF	R	2 771.04
4238	G-Quantitative Citrulline	1 x Blood Card 4 completed circles	R	489.53

CODE	ANALYSIS	TYPE OF SAMPLE & SAMPLE VOLUME REQUIRED	TARIFF (15% VAT INCLUDED)
OTHER SPECIALISED TESTS			
4268 x2	CDG screening assay (Congenital Disorders of Glycosylation)	1 x Blood Card 4 completed circles	R 4 151.52
-	Only if CDG screening is abnormal: S-CDG for confirmation at international lab (Congenital Disorders of Glycosylation) Note: This assay does not include DNA testing)	2 x Serum (yellow top)	R -
4268 x4	U-Quantitative TMA (trimethylamine) and FMO3 gene sequencing.	15 ml urine & 2 x EDTA blood tubes	R 8 303.04
4268	Biotinidase Enzyme Activity Determination	1 x Blood Card 4 completed circles	R 2 075.76
4238	Quantitative Galactose-1-Phosphate	1 x Blood Card 4 completed circles	R 489.53
6 x 4256 + 1 x 4117	Mitochondrial respiratory chain enzyme analyses (muscle). IMPORTANT: See collection specification	Min 100 mg skeletal muscle, preferably from vastus lateralis.	R 9 419.65
4592	Immunoreactive trypsinogen (IRT) - Only in patients younger than 24 days	1 x Blood Card 4 completed circles	R 489.53
4268 x2	Selective Lysosomal stored disorder screening (Krabbe, Farby, Pompe, Niemann-Pick A/B, MPS 1 and Gaucher disease - PLSD-screening)	2 x Blood Card 4 completed circles (Must reach PLIEM within 2 days after collection)	R 4 151.52
Note: Informed consent for genetic testing is required. Contact PLIEM for information cost and relevant documentation required. (website www.pliem.co.za OR 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 / ansie.mienie@nwu.ac.za

[C]

FULL METABOLIC PROFILE

URINE ONLY

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

CODE	ANALYSIS	TYPE OF SAMPLE & SAMPLE VOLUME REQUIRED	TARIFF (15% VAT INCLUDED)
4221	U-Creatinine	1ml urine	R 45.87
4321	U-Uric acid	1ml urine	R 45.87
4188	U-Labstix	few drops of urine	R 19.00
4188	U-Sulfistix	few drops of urine	R 19.00
4248	U-Reducing substances	few drops of urine	R 22.68
4238	U-Cystine	15 ml urine	R 489.53
4238	U-Homocystine	15 ml urine	R 489.53
4268	U-Organic acids - includes orotic acid (GC/MS)	5ml urine	R 2 075.76
4285 x 2	U-TLC-oligosaccharides & Quantitative fructose	4ml urine	R 290.34
4216	U-Mucopolysaccharide Screening / DMB-screening	} 5 ml urine	R 144.28
4326	U-Mucopolysaccharide electrophoresis 1D		R 962.11
4194	U-Quantitative Amino acids (GCMS)	1ml urine	R 1 385.53
4020	U-Free carnitine	} 50µl urine	R 237.35
4020	U-Total carnitine		R 237.35
4022	U-Acyl carnitine		R 474.69
Total of full metabolic screen (urine only):			R 6 938.89

[D]

FULL METABOLIC PROFILE

URINE AND SERUM

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

Serum volume required (yellow top tube): 1,2 ml, spun down, separated, transferred, frozen overnight sent on dry ice

CODE	ANALYSIS	TYPE OF SAMPLE & SAMPLE VOLUME REQUIRED	TARIFF (15% VAT INCLUDED)
4221	U-Creatinine	1ml urine	R 45.87
4321	U-Uric acid	1ml urine	R 45.87
4188	U-Labstix	few drops of urine	R 19.00
4188	U-Sulfistix	few drops of urine	R 19.00
4248	U-Reducing substances	few drops of urine	R 22.68
4238	U-Cystine	15 ml urine	R 489.53
4238	U-Homocystine	15 ml urine	R 489.53
4268	U-Organic acids - includes orotic acid (GC/MS)	5ml urine	R 2 075.76
4285 x 2	U-TLC-oligosaccharides & Quant fructose	4ml urine	R 290.34
4216	U-Mucopolysaccharide Screening / DMB-screening	} 5 ml urine	R 144.28
4326	U-Mucopolysaccharide electrophoresis 1D		R 962.11
4194	U-Quantitative Amino acids [GCMS]	1ml urine	R 1 385.53
4020	U-Free carnitine	} 50µl urine	R 237.35
4020	U-Total carnitine		R 237.35
4022	U-Acyl carnitine		R 474.69
4020	S-Free carnitine	} 50 µl serum	R 237.35
4020	S-Total carnitine		R 237.35
4022	S-Acylcarnitine		R 474.69
4194	S-Quantitative Amino acids (includes phenylalanine/PKU)	1 ml serum	R 1 385.53
Total of full metabolic screen (urine and serum):			R 9 273.81

[E]

COMPREHENSIVE FULL METABOLIC PROFILE

URINE, SERUM AND BLOOD CARD

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

Serum volume required (yellow top tube): 1,2 ml, spun down, separated, transferred, frozen overnight sent

2 x Blood cards with 6-8 completed circles at room temperature (Note: Card must reach lab within 2-3 days of collection)

CODE	ANALYSIS	TYPE OF SAMPLE & SAMPLE VOLUME REQUIRED	TARIFF (15% VAT INCLUDED)
4221	U-Creatinine	1ml urine	R 45.87
4321	U-Uric acid	1ml urine	R 45.87
4188	U-Labstix	few drops of urine	R 19.00
4188	U-Sulfistix	few drops of urine	R 19.00
4248	U-Reducing substances	few drops of urine	R 22.68
4238	U-Cystine	15 ml urine	R 489.53
4238	U-Homocystine	15 ml urine	R 489.53
4268	U-Organic acids - includes orotic acid (GC/MS)	5ml urine	R 2 075.76
4285 x 2	U-TLC-oligosaccharides & Quant fructose	4ml urine	R 290.34
4216	U-Mucopolysaccharide DMB-screening	} 5 ml urine	R 144.28
4326	U-Mucopolysaccharide electrophoresis 1D		R 962.11
4194	U-Quantitative Amino acids (GCMS)	1ml urine	R 1 385.53
4020	U-Free carnitine	} 50µl urine	R 237.35
4020	U-Total carnitine		R 237.35
4022	U-Acyl carnitine		R 474.69
4020	S-Free carnitine	} 50 µl serum	R 237.35
4020	S-Total carnitine		R 237.35
4022	S-Acylcarnitine		R 474.69
4194	S-Quantitative Amino acids (includes phenylalanine/PKU)	1 ml serum	R 1 385.53
4268 x2	S-Very long chain fatty acids (VLCFA) (GC/MS) S-Phytanic acid (GC/MS) S-Pristanic acid (GC/MS)	1 ml serum	R 4 151.52
4268	Biotinidase Enzyme Activity Determination	1 x Blood Card 4 completed circles	R 2 075.76
4238	Quantitative Galactose-1-Phosphate	1 x Blood Card 4 completed circles	R 489.53
4238	G-Quantitative Citrulline	1 x Blood Card 4 completed circles	R 489.53

4268 x2	CDG screening assay (Congenital Disorders of Glycosylation)	1 x Blood Card 4 completed circles	R	4 151.52
4268 x2	Selective Lysosomal storage disorder screening (Krabbe, Farby, Pompe, Niemann-Pick A/B, MPS 1 and Gaucher disease - PLSD-screening)	2 x Blood cards 4 completed circles	R	4 151.52
Total of full metabolic screen (urine, serum and bloodcard):			R	24 783.19

[F]

FUNCTIONAL MEDICINE

**CONTACT HEXALAB, NEXT BIOSCIENCES FOR INFORMATION:
INFO@HEXALABS.CO.ZA
www.nextbio.co.za**

Urine kits, instructions, tariffs information are provided by Hexalabs.