SERVICE DELIVERABLES FOR CORD BLOOD ANALYSIS

Research use only

All listed biomarkers are available for Serum and Heparin plasma samples. Biomarkers marked with * are not available for EDTA plasma samples. Biomarkers marked with ** are not available for Citrate plasma samples.

Name	Unit	Name	Unit
Cholesterol		Phosphatidylcholines	mmol/l
Total cholesterol	mmol/l	Sphingomyelins	mmol/l
Total cholesterol minus HDL-C Remnant cholesterol (non-HDL, non-LDL -cholesterol)	mmol/l mmol/l	Apolipoproteins	
VLDL cholesterol	mmol/l	Apolipoprotein B	g/l
Clinical LDL cholesterol	mmol/l	Apolipoprotein A1	g/l
LDL cholesterol	mmol/l	Ratio of apolipoprotein B to apolipoprotein A1	ratio
HDL cholesterol	mmol/l	Fatty acids	
Triglycerides		Total fatty acids	mmol/l
Total triglycerides	mmol/l	Degree of unsaturation	degree
Triglycerides in VLDL	mmol/l	Omega-3 fatty acids	mmol/l
Triglycerides in LDL	mmol/l	Omega-6 fatty acids	mmol/l
Triglycerides in HDL	mmol/l	Polyunsaturated fatty acids	mmol/l
Phospholipids		Monounsaturated fatty acids	mmol/l
1 Hospitolipius		Saturated fatty acids	mmol/l
Total phospholipids in lipoprotein particles	mmol/l	Linoleic acid	mmol/l
Phospholipids in VLDL	mmol/l	Docosahexaenoic acid	mmol/l
Phospholipids in LDL Phospholipids in HDL	mmol/l mmol/l	Fatty acid ratios	
		Ratio of omega-3 fatty acids to total fatty acids	%
Cholesteryl esters		Ratio of omega-6 fatty acids to total fatty acids	%
Total esterified cholesterol	mmol/l	Ratio of polyunsaturated fatty acids to total fatty acids	%
Cholesteryl esters in VLDL	mmol/l	Ratio of monounsaturated fatty acids to total fatty acids	%
Cholesteryl esters in LDL	mmol/l	Ratio of saturated fatty acids to total fatty acids	%
Cholesteryl esters in HDL	mmol/l	Ratio of linoleic acid to total fatty acids	%
Free chalacteral		Ratio of docosahexaenoic acid to total fatty acids	%
Free cholesterol		Ratio of polyunsaturated fatty acids to monounsaturated fatty acid	
Total free cholesterol	mmol/l	Ratio of omega-6 fatty acids to omega-3 fatty acids	%
Free cholesterol in VLDL	mmol/l	Amino acids	
Free cholesterol in LDL	mmol/l		
Free cholesterol in HDL	mmol/l	Alanine	mmol/l
Total lipids		Glutamine	mmol/l
i otal lipius		Glycine	mmol/l
Total lipids in lipoprotein particles	mmol/l	Histidine	mmol/l
Total lipids in VLDL	mmol/l	Branched-chain amino acids	
Total lipids in LDL	mmol/l	T	1.0
Total lipids in HDL	mmol/l	Total concentration of branched-chain amino acids (leucine +	mmol/l
Lipoprotein particle concentrations		Isoleucine + valine)	mmal/l
Espoprotoni partiolo concontitutiono		Isoleucine Leucine	mmol/l mmol/l
Total concentration of lipoprotein particles	mmol/l	Valine	mmol/l
Concentration of VLDL particles	mmol/l	Valific	1111101/1
Concentration of LDL particles	mmol/l	Aromatic amino acids	
Concentration of HDL particles	mmol/l	Phenylalanine	mmol/l
Lipoprotein particle sizes		Tyrosine	mmol/l
Average diameter for VLDL particles	nm		
Average diameter for LDL particles	nm	Glycolysis related metabolites	
Average diameter for HDL particles	nm	Glucose	mmol/l
Other linide		Lactate	mmol/l
Other lipids		Pyruvate	mmol/l
Phosphoglycerides	mmol/l	Citrate **	mmol/l
Ratio of triglycerides to phosphoglycerides	ratio	Glycerol *	mmol/l
Total cholines	mmol/l		

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Appendix 7

Medium HDL (average diameter 10.9 mm) Provide policy plury place minor of monor of mono	Name	Unit	Name	Unit
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Creatinine Minimidual Min	Fluid balance		·	
Inflammation Glycoprotein acetyls Lipoprotein subclasses Chylomicroson and extremely large VLDL (particle diameters from 75 nm upwards) Concentration of chylomicrons and extremely large VLDL particles Total lipida in Nytomicrons and extremely large VLDL Very large VLDL (average diameter 64 nm) Concentration of very large VLDL particles Total lipida in Nytomicrons and extremely large VLDL North and the state of the s			Total lipius III siliali nde III	TIOI/I
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