

# LIST OF SERVICES

## LAB-DEVELOPED TESTS

Pos.	Identification	Intended Purpose	Matrix
1	LDT-A	Generation of NMR-spectra of human serum or plasma samples	Serum, EDTA-Plasma, Heparin-Plasma
2	LDT-Profiler	Determination of defined patterns in NMR-spectra	Serum, EDTA-Plasma, Heparin-Plasma
3	lifespın Amino Acid Profile™	Quantification of amino acids and derivatives	Serum
4	LDT-F	Generation of NMR-spectra of human serum samples after sample precipitation.	Serum
5	TDM-Anti-Infectiva	Quantification of antiinfectives	Serum

The LDT-A/LDT-Profiler may only be available in combination with the lifespın Amino Acid Profile  
 The LDT-F/LDT-Profiler may only be available in combination with the lifespın Anti-Infectiva

## LIFESPIN AMINO ACID PROFILE™

Pos.	Amino acid	Material	Reference range	Method
	For the determination of amino acids always freshly obtained serum from serum sample is used (centrifuge immediately, serum frozen) to minimize artificial, pre-analytical changes	Frozen serum, 0,5ml	adult	1H-NMR-Spektroskopie
1	Alanine		0,331 – 0,970 mmol/l	
2	Arginine		< 0,254 mmol/l	
3	Asparagine		< 0,074 mmol/l	
4	Aspartic acid		< 0,102 mmol/l	
5	Betaine		< 0,049 mmol/l	
6	Cystine		< 0,030 mmol/l	
7	Creatinine		0,060 – 0,178 mmol/l	

Pos.	Amino acid	Material	Reference range	Method
8	Dimethylglycine		0,002 – 0,011 mmol/l	
9	Glutamine		< 0,866 mmol/l	
10	Glutamic acid		0,062 – 0,680 mmol/l	
11	Glycine		0,253 – 0,655 mmol/l	
12	Histidine		0,021 – 0,127 mmol/l	
13	Isoleucine		0,029 – 0,139 mmol/l	
14	Leucine		0,130 – 0,376 mmol/l	
15	Lysine		0,032 - 0,111 mmol/l	
16	Methionine		< 0,042 mmol/l	
17	Ornithine		< 0,116 mmol/l	
18	Phenylalanine		< 0,096 mmol/l	
19	Proline		0,101 – 0,363 mmol/l	
20	Sarcosine		< 0,036 mmol/l	
21	Serine		0,084 – 0,270 mmol/l	
22	Threonine		0,057 – 0,208 mmol/l	
23	Tyrosine		0,025 – 0,080 mmol/l	
24	Valine		0,179 – 0,444 mmol/l	
25	1-Methylhistidine		< 0,010 mmol/l	
26	3-Methylhistidine		< 0,016 mmol/l	

These products may only be used in the EEA

## LIFESPIN TDM-ANTI-INFECTIVA

Pos.	Antiinfectives	Material	Measuring range	Method
	For the determination of TDM antiinfectiva always freshly obtained serum from serum sample is used (centrifuge immediately, serum frozen) to minimize artificial, pre-analytical changes	Frozen serum, 1ml		1H-NMR-Spektroskopie
1	Ceftazidim		20 - 200 mg/l	
2	Cefuroxime		35 - 175 mg/l	
3	Fosfomycin		5 - 200 mg/l	
4	Piperacillin		12 - 145 mg/l	
5	Flucloxacillin		5 - 50 mg/l	
6	Ceftriaxon		5 - 145 mg/l	
7	Cefotiam <sup>RUO</sup>		10 - 90 mg/l	
8	Fluconazol		3 - 40 mg/l	
9	Flucytosin <sup>RUO</sup>		5 - 90 mg/l	

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