

Parameter des ikfe-Labors

F-EL01-PIL-05

Parameter	Material	Volume	Volume maximum	Storage of samples	Method	Company	Range	Unit	Sensitivity	Norm value
Adiponectin	Serum, Plasma	100 µl	500 µl	to freeze in -20°C	RIA	Linco, St. Charles USA	1-200	ng/ml	1	> 7
ADMA	Serum, EDTA Plasma	100 µl	500 µl	to freeze in < 20°C	ELISA	DLD Diagnostika GmbH	0-5,0	µmol/l	0,05	0,4-0,75
Alpha - Crosslaps	Serum, Plasma	300 µl	1000 µl	to freeze in -20°C	ELISA	Osteometer, Herlev, Dänemark	94-20.000/ 0-2,391	pM	94	♂ 2382 ± 1364 ♀ post 3634 ± 1833 ♀ pre 2304 ± 1110
Anti - Insulin	Serum, Plasma	500 µl	1000 µl	up to 5 days 2-8°C or to freeze in -20°C	EIA	Orgentec, Mainz	0-100	U/ml	0,5	< 10 (negativ)
BAP	Serum	100 µl	500 µl	to freeze in 2-8°C 5 days, < 40 °C 1 year < -80°C 3 years	EIA	OSTEOmedical GmbH	0-140	U/l	0,7	♀ 25-44 years 11,6-29,6 ♀ ≥ 45 years 14,2-42,7 ♂ ≥ 25 years 15,0-41,3
BNP	Trasyloyl- Plasma	500 µl	1000 µl	to freeze in -20°C	IRMA	Schering Immundiagnostik AG	0-2000	pg/ml	2	5,9-18,4
C - Peptid	Serum, Plasma	500 µl	1000 µl	to freeze in -20°C	RIA	Linco, St. Charles USA	0,1-5	ng/ml	0,1	0,5-1,5
C - Peptid	Serum, Plasma	200 µl	500 µl	to freeze in -20°C	CLIA	MLT,Cardiff	0-5000	pmol/L	5	200-1000
C-AMP	EDTA- Plasma, Urin	100 µl	500 µl	to freeze in -20°C	RIA	IBL- Hamburg	0,05-15(Plasma) 1,5-450 (Urin)	pmol/ml	0,05(Plasma) 1,5 (Urin)	plasma 17,0 ± 5,0 urine 3,8 ± 1,7
C-GMP	EDTA- Plasma, Urin	100 µl	1000 µl	freeze in -20°C	RIA	IBL- Hamburg	0-16,2	pmol/ml	0,05	4,9 ± 1,3 (plasma) 0,42 ± 0,19 (urine)
Cholesterin	Serum, EDTA, Heparinplasma	100 µl	500 µl	2-8 °C max 6 days, to freeze in -20 °C	photometrisch	Menarini, Neuss	4-700	mg/dl	4	< 200
Creatinin	Serum, EDTA, Heparin -und Citratplasma	100 µl	500 µl	7 Tage bei RT, mind. 3 Monate bei -20°C	photometrisch	Menarini, Neuss	0,2-15	mg/dl	0,2	♂ 0,9-1,3 ♀ 0,6-1,1
DPPIV	EDTA Plasma	100 µl	500 µl	-20°C	Fluoreszenztest	Inhouse	NA	RFU	NA	NA
Endothelin	EDTA- Plasma	500 µl	1000 µl	to freeze in -20°C	ELISA	Biomedica	0,05-10	fmol/ml	0,05	0,2-0,7
FetuinA	Serum	100 µl	500 µl	-20°C	ELISA	Immundiagnostik, Bensheim	5-350	ng/ml	2,5	0,4-0,95 g/l
FPA	Plasma	500 µl	1000 µl	-20°C besser -70°C	ELISA	Hyphen BioMed	0,78-50	ng/ml	0,78	< 3
FPA (Fibrino Peptid A)	Plasma mit spez. Antikoagulanz Mix für FPA	500 µl	1000 µl	≤ 20°C until 1 month	ELISA	Hyphen Biomed über Haemochrom	0,78-50	ng/ml	0,78	< 3
GAD	Serum	100 µl	500 µl	until 3 days to freeze in 2-8°C or -20 °C	IRMA	Medipan	0-300	U/ml	0,6	< 0,9
GGT	Serum, EDTA Plasma	100 µl	500 µl	min. 1week to freez ini -20°C	photometrisch	Menarini, Neuss	2-260	U/l	2	♂ 49/ ♀ 32
Ghrelin total	EDTA Plasma	500 µl	1000 µl	≤ 20°C	RIA	Linco Research	93-6000	pg/ml	93	NA
GIP (Gastric Inhibitory Peptide)	EDTA- Trasyloyl Plasma (Extraktion)	1500 µl	2500 µl	-70°C 1 month	RIA	Phoenix Pharmaceuticals, Inc.	10-1280	pg/tube	NA	NA
GLP-I (Glucagon Like Peptide 1)	EDTA-Trasyloyl-DPPIV Inhibitor Plasma	500 µl	1000 µl	-80°C	ELISA	Linco Research	2-100	pM	2	NA
Glucagon	Trasyloyl-Serum/ Trasyloyl-Plasma	500 µl	1000 µl	to freeze in -20°C	RIA	Linco, St. Charles USA	20-400	pg/ml	20	50-150
Glukose	NAF Vollblut, Serum, Plasma	50 µl	1,2 ml	3 Tage bei 2- 8°C	Elektrochemisch Biosensor	RLT Möhneseedelecke	11-910	mg/dl	11	80-120
Glukose	Serum, NAF Plasma	100 µl	500 µl	room teperature 1 day, 2-8 °C 7 days	photometrisch	Menarini, Neuss	2-500	mg/dl	2	80-120

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GOT	Serum, EDTA, Heparinplasma	100 µl	500 µl	min. 3 months on -20°C	photometrisch	Menarini, Neuss	2-370	U/l	2	♂ 10-50/ ♀ 10-35
GPT	Serum, EDTA, Heparinplasma	100 µl	500 µl	min. 3 months on -20°C	photometrisch	Menarini, Neuss	2-370	U/l	4	♂ 10-50/ ♀ 10-35
HbA1c	EDTA Vollblut	1,2 ml	-	5 days on 2- 8°C	HPLC	Menarini, Neuss	3-18	%	3%	4,1-6,1 %
HDL	Serum, EDTA, Heparinplasma	100 µl	500 µl	2-8 °C 3 days, to freeze in -20°C	photometrisch	Menarini, Neuss	1-150	mg/dl	1	normal ♂ > 55/♀ > 65 moderate ♂ 35-55/♀ 45-65 high risk ♂ < 35/♀ < 45
Histamin	EDTA,- Heparin Plasma	400 µl	800 µl	≤ 20 °C up to 3 months, < 70 °C bis 2 Jahre	ELISA	IBL- Hamburg	0-125	ng/ml	0,2	0,3-1,0
HPIA	Citratplasma, Serum	100 µl	500 ml	-20 °C	EIA	Stago	-	pos./ neg.	-	negative
hsCRP	Serum	100 µl	500 µl	2-8 °C 2 Monate, RT 5 Tage	turbidimetrisch	Menarini, Neuss	0,05-160	mg/l	0,1	up to 3
hsCRP	Serum	100 µl	500 µl	≤ 20 °C bis 6 Monate	EIA	MP Biomedicals	0-0,100	mg/l	0,1	up to 3
Human sIL-2R/sCD 25	Serum oder Plasma	500 µl	1000 µl	to freeze in -20°C besser bei -70 °C	ELISA	Osteo Medical	0-2200	pg/ml	< 8	880 ± 110
IL-6	Serum, EDTA, Heparin -und Citratplasma	500 µl	1000 µl	to freeze in -20 °C	ELISA	IBL- Hamburg	1,56-100	pg/ml	1,4	1,4-14,1
Insulin	Serum, Plasma	500 µl	1000 µl	up to 7 days on 2-8°C or -20 °C	RIA	DPC, Biermann Los Angeles	0-400	µIU/ml	1,2	< 22
Insulin	Serum, Plasma	500 µl	1000 µl	up to 7 days on 2-8°C or -20 °C	CLIA	MLT,Cardiff	0-200	mU/L	0,25	1-16
Insulin	Serum	100 µl	500 µl	-20 °C	ELISA	Linco Research	2-200	µU/ml	2	3-17
Insulin	Serum, EDTA Plasma	200 µl	500 µl	24h on 2-8°C, ≤ 20 °C	ELISA	IBL- Hamburg	0-500	µIU/ml	0,15	2-25
Insulin Lispro	Serum, EDTA-Plasma	500 µl	1000 µl	to freeze in -20°C	RIA	Linco, St. Charles USA	2,5-250	µU/ml	5	< 5
Laktat	NAF Vollblut, Serum, Plasma	1,2 ml	-	3 days on 2- 8°C	Elektrochemisch Biosensor	RLT Möhnesee-Delecke	4,5-270	mg/dl	4,5	venous blood & plasma 4,5-20/ arteriel blood & plasma < 16
LDL	Serum	100 µl	500 µl	2-8 °C 3 days, to freeze in -20°C	photometrisch	Menarini, Neuss	5-1000	mg/dl	5	normal < 130 moderat 130-159 high risk ≥ 160
MCP-1	Serum, EDTA Plasma	500 µl	1000 µl	-20 °C	ELISA	RnD Systems	31,2-2000	pg/ml	5,0	serum 200-722 plasma 72-295
MMP-9	Serum	100 µl	500 µl	-20 °C	ELISA	RnD Systems	0,312-20	ng/ml	0,156	169-705
Nitrat	Urin, Saliva, Plasma, Serum	500 µl	1000 µl	to freeze in -80°C	ELISA	Assay Designs Inc	3,125-100	µmol/l	1,35	NA
OPG (Osteoprotegerin)	Serum, EDTA Plasma	100 µl	500 µl	-20 °C/ Langzeit bei -80 °C	EIA	Biomedica über OSTEOMedical GmbH	0-30	pmol/l	0,14	1,8
Osteocalcin	Serum, EDTA Plasma	100 µl	500 µl	≤ 20 °C	IRMA	Immutopisc Inc.	0,6-57	ng/ml	0,05	2,4-11,7
oxLDL	Serum, EDTA Plasma	500 µl	1000 µl	≤ 20 °C	ELISA	Immundiagnostik, Bens	17-75	ng/ml	4,13	18-2261
PAI	Plasma	100 µl	500 µl	to freeze in -20°C für 14 days/ to freeze in -70°C 6 months	ELISA	American diagnostica, Greenwich	0-50	ng/ml	1	2-47

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Proinsulin intact	Plasma	200 µl	500 µl	to freeze in -20°C	CLIA	MLT,Cardiff	0-95	pmol/L	0,02	< 10
Proinsulin intact	EDTA Plasma	500 µl	1000 µl	≤ 20 °C	ELISA	Linco Research	0,5-100	pmol/l	0,1	≤ 11
Proinsulin intact	Serum, EDTA Plasma	250 µl	500 µl	24h bei 2-8°C, ≤ 20°C	ELISA	Zentech	2,7-106,60	pmol/l	0,5	4,67 +/- 3,85
Proinsulin total	Serum	200 µl	500 µl	to freeze in -20°C	CLIA	MLT,Cardiff	0-250	pmol/L	0,35	< 20
Prostaglandin E2	Plasma, Urin	300 µl	1000 µl	to freeze in -20°C	Correlate-EIA	Assay Designs, Inc. USA	39,1-5.000	pg/ml	36,2	not available
Prothrombin Fragment 1 & 2	Citratplasma	500 µl	1000 µl	-20°C 1 Monat	EIA	Dade Behring	0,04-10	nmol/l	0,04	0,4-1,1
PTH 1-34	Serum, Plasma	1 ml	3 ml	to freeze in -20°C/ -70°C	IRMA	Immutopics Inc.	0-1900	pg/ml	1	not available
PTH intakt	Serum, Plasma	500 µl	1000 µl	to freeze in -20°C 3 Monate	RIA	IBL- Hamburg	13-1500	pg/ml	1	10-65
Relaxin	Serum, EDTA Plasma	200 µl	500 µl	-20°C	ELISA	Immundiagnostik, Bensheim	0-250	pg/ml	NA	no data
Resistin	Serum, Plasma	200 µl	500 µl	-20°C	EIA	Immundiagnostik, Bensheim	0-50	ng/ml	0,068	not available
sCD40L	Serum, EDTA Plasma	100 µl	500 µl	-20°C	ELISA	RnD Systems	62,5-4000	pg/ml	4,2	serum bis 11451 plasma bis 139
sE-Selectin	Serum, EDTA Plasma	100 µl	250 µl	24h on 2-8°C, ≤ 20 °C	ELISA	R&D Systems	0-10,56	ng/ml	0,1	29,1-63,4
sICAM	Plasma, Serum	100 µl	500 µl	-20°C	ELISA	R&D Systems	0-49,55	ng/ml	0,35	115-306
sP-Selectin	Serum, EDTA Plasma	100 µl	250 µl	1 weeks on 2-8°C, -20°C 4 weeks	ELISA	R&D Systems	0-51,60	ng/ml	0,5	serum 51-113 plasma 22-44
s-TNF Rezeptor I	Serum, Plasma	500 µl	1000 µl	-20°C	ELISA	R & D Systems, Wiesbaden	0-500	pg/ml	0,77	Serum: 749-1966
s-TNF Rezeptor II	Serum, Plasma	500 µl	1000 µl	-20°C	ELISA	R & D Systems, Wiesbaden	0-500	pg/ml	1	serum: 1003-3170
sVCAM	Plasma, Serum	100 µl	500 µl	to freeze in < 20 °C	ELISA	R&D Systems	0-75,78	ng/ml	2,0	395-714
Tandem R - Ostase	Serum	500 µl	1000 µl	to freeze in -20°C/ -70°C	IRMA	Beckman Coulter, Krefeld	0-120	µg/L	5	menr 12,3 prä women 8,7
TF	Citratplasma od. andere biol. Flüssigkeiten	500 µl	1000 µl	-20°C	ELISA	American Diagnostics	0-1000	pg/ml	NA	NA
TFPI	Heparin- und Citratplasma	500 µl	1000 µl	-20°C	ELISA	American Diagnostics	0,312-5,0	ng/ml	0,18	75-120
TNF-alpha	Serum, EDTA Plasma	600 µl	1200 µl	≤ 20 °C	ELISA	R&D Systems	15,6-1000	pg/ml	1,6	< 15,6
t-PA	EDTA, Citratplasma	100 µl	250 µl	2 weeks -20°C months -80°C	ELISA	American Diagnostica	0-30	ng/ml	1	< 9,0
Triglyceride	Serum, EDTA, Heparinplasma	100 µl	500 µl	room tempeprature 2 days, 4-8 °C 7 days, -20°C min. 1 year	photometric	Menarini, Neuss	1-1000	mg/dl	1	< 200
VEGF	Plasma, Serum	500 µl	1000 µl	≤ 20 °C	ELISA	R&D Systems	0-2000	pg/ml	9,0	serum 62-707
Visfatin	EDTA-Trasylol Plasma	200 µl	500 µl	-80°C	ELISA	Phoenix Pharmaceutica	0,1-1000	ng/ml	NA	no data
YKL-40	Serum	200 µl	1000 µl	≤ 20 °C	EIA	Quidel Corporation über OSTEOmedical	0-300	ng/ml	20	♀ 25-93/ ♂ 24-125