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IGL Labor GmbH

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Laboratory technical report | Clinical findings of end

iEC - Individual Substances

Cellular Toxin Examination

Requisition #		Wittbek, November 30th, 2022
Order number	91415 LK 301122170	
Patient name	Platz, Dr. Thomas	Labor input November 28th, 2022
Date of birth	21.02.1946	Labor output November 29th, 2022
Age of the patient	76 Years	Sample Collection November 22nd, 2022
Doctor Therapist	Sajer, Prim. Dr. med. Sascha	Sample Collection Time 12:30 p.m.
Internal reference Reference-ID	18283	
Number of parameters	1	
Material	Eluate	

Test name	Review	AM	MAD	Value 1	Value 2	Value 3	Value 4	SI units
iEC - intracellular Electrical Capacity - in Lymphocytes								
1 Acetone	borderline	291,81 nmol/l	2,55 nmol/l	291,08	291,08	296,90	288,17	nmol/l
2 Aluminium	tolerable	66,65 nmol/l	0,66 nmol/l	65,99	67,31	67,31	65,99	nmol/l
3 Arsenic	tolerable	107,94 nmol/l	0,54 nmol/l	107,94	107,94	106,86	109,02	nmol/l
4 Barium	borderline	266,44 nmol/l	3,29 nmol/l	263,15	268,41	263,15	271,04	nmol/l
5 Benzene	high	324,95 nmol/l	2,42 nmol/l	322,53	322,53	328,98	325,76	nmol/l
6 Bismuth	very high	485,42 nmol/l	6,04 nmol/l	483,00	497,49	478,17	483,00	nmol/l
7 Butanol	tolerable	113,70 nmol/l	0,43 nmol/l	113,98	112,84	113,98	113,98	nmol/l
8 Cadmium	tolerable	101,20 nmol/l	1,01 nmol/l	100,70	102,71	101,71	99,69	nmol/l
9 Carbosilane(Group)	high	323,69 nmol/l	4,04 nmol/l	322,88	316,42	329,34	326,11	nmol/l
10 Cobalt	borderline	170,90 nmol/l	1,49 nmol/l	170,47	173,88	168,77	170,47	nmol/l
11 Copper	borderline	271,00 nmol/l	1,34 nmol/l	268,32	271,00	271,00	273,69	nmol/l
12 Dichlorodiphenyltrichloroethane(DDT)	very high	491,17 nmol/l	2,46 nmol/l	491,17	491,17	486,26	496,08	nmol/l
13 Dichloromethane	borderline	235,61 nmol/l	1,77 nmol/l	236,20	233,84	238,56	233,84	nmol/l
14 Formaldehyde	tolerable	118,91 nmol/l	1,20 nmol/l	120,11	120,11	117,71	117,71	nmol/l
15 Gadolinium	very high	525,41 nmol/l	5,20 nmol/l	520,21	520,21	525,41	535,82	nmol/l
16 Glyphosate/AMPA	very high	564,78 nmol/l	2,12 nmol/l	566,20	566,20	566,20	560,54	nmol/l
17 Gold	borderline	290,12 nmol/l	2,87 nmol/l	287,25	287,25	295,87	290,12	nmol/l
18 Hexasilane(Group)	high	391,95 nmol/l	3,88 nmol/l	388,07	395,83	388,07	395,83	nmol/l
19 Hydroxyl(radical)group	tolerable	10,74 nmol/l	0,11 nmol/l	10,74	10,85	10,85	10,53	nmol/l

Test name	Review	AM	MAD	Value 1	Value 2	Value 3	Value 4	SI units
iEC - intracellular Electrical Capacity - in Lymphocytes								
20 Lead	tolerable	40,15 nmol/l	0,30 nmol/l	39,85	39,85	40,65	40,25	nmol/l
21 Lindane	high	307,18 nmol/l	4,63 nmol/l	308,72	302,55	314,89	302,55	nmol/l
22 Manganese	tolerable	102,43 nmol/l	0,76 nmol/l	100,92	102,94	102,94	102,94	nmol/l
23 Methylmercury	borderline	262,08 nmol/l	0,00 nmol/l	262,08	262,08	262,08	262,08	nmol/l
24 Molybdan	very high	518,08 nmol/l	5,18 nmol/l	518,08	528,44	507,72	518,08	nmol/l
25 Monosilane(Group)	tolerable	139,75 nmol/l	1,73 nmol/l	138,71	142,87	137,32	140,10	nmol/l
26 Nickel	borderline	151,28 nmol/l	1,12 nmol/l	149,41	152,40	150,90	152,40	nmol/l
27 Octasilane(Group)	tolerable	136,43 nmol/l	0,00 nmol/l	136,43	136,43	136,43	136,43	nmol/l
28 Organochlorsilane(Group)	tolerable	122,20 nmol/l	0,00 nmol/l	122,20	122,20	122,20	122,20	nmol/l
29 Organophosphate	tolerable	88,94 nmol/l	0,45 nmol/l	89,39	89,39	88,50	88,50	nmol/l
30 Organosilane(Group)	high	364,19 nmol/l	5,41 nmol/l	360,58	371,40	367,79	356,97	nmol/l
31 Organosilanol(Group)	borderline	182,00 nmol/l	0,91 nmol/l	182,00	183,82	180,18	182,00	nmol/l
32 Pentachlorophenol.PCP	tolerable	4,19 nmol/l	0,02 nmol/l	4,19	4,23	4,15	4,19	nmol/l
33 Poly(ethylene-oxide)77	very high	568,19 nmol/l	4,21 nmol/l	561,18	572,40	572,40	566,79	nmol/l
34 Polyamide(PA)	tolerable	99,34 nmol/l	1,24 nmol/l	99,59	98,59	97,60	101,58	nmol/l
35 Polychlorinated-Biphenyl.PCB	very high	499,41 nmol/l	3,70 nmol/l	493,24	503,10	498,17	503,10	nmol/l
36 Polychlorinated-dibenzodioxins	borderline	159,82 nmol/l	1,97 nmol/l	157,85	162,59	157,85	161,01	nmol/l
37 Polypropylen(PP)	borderline	195,88 nmol/l	0,97 nmol/l	194,91	196,86	194,91	196,86	nmol/l
38 Propanol	high	435,63 nmol/l	3,23 nmol/l	430,25	438,86	434,55	438,86	nmol/l
39 Silver	borderline	207,55 nmol/l	2,07 nmol/l	206,52	210,65	208,59	204,45	nmol/l
40 Tin	borderline	256,96 nmol/l	3,82 nmol/l	254,42	262,05	251,88	259,51	nmol/l
41 Titanium	very high	579,05 nmol/l	4,31 nmol/l	574,74	580,49	574,74	586,23	nmol/l
42 Toluene	tolerable	28,12 nmol/l	0,28 nmol/l	27,98	28,26	28,54	27,70	nmol/l
43 Trichloroethane	very high	519,37 nmol/l	3,89 nmol/l	518,07	523,25	523,25	512,89	nmol/l
44 Trichloromethane	high	347,05 nmol/l	1,30 nmol/l	346,18	349,64	346,18	346,18	nmol/l
45 Trisilane(Group)	high	304,85 nmol/l	3,05 nmol/l	304,85	304,85	298,75	310,95	nmol/l
46 Xylene	tolerable	47,01 nmol/l	0,58 nmol/l	46,43	47,82	47,36	46,43	nmol/l

Reference Range

tolerable: 0 - 149,99 nmol/l borderline: 150,00 - 299,99 nmol/l high: 300,00 - 449,99 nmol/l very high: 449,99 - 650,00 nmol/l

AM: Arithmetic mean of values 1-4

MAD: Mean absolute deviation

Any application of it as a therapeutic intervention is to be determined by the ordering practitioner. This test was developed and its performance characteristics determined by IGL Labor GmbH. Results of this test are for investigational (and research) purposes only. The result should not be used as a diagnostic procedure without confirmation of the diagnosis by another medically established diagnostic product or procedure.

The reported reference values are only validated for lymphocytes.

Wittbek, November 30th, 2022
We are grateful for the Order!
With friendly and collegial greetings
IGL Labor GmbH, Wittbek