

Quality Control Certificate



Steroid Panel Tec-Trace

REF	30220283	LOT	MSTC115	2028-06-30 YYYY-MM-DD
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Final Release Results in ng/mL:

	CONTROL L			
	Concentration	Acceptable range		
	found ng/mL	lower limit ng/mL	target value ng/mL	upper limit ng/mL
11-Deoxycorticosterone	0.193	0.134	0.192	0.250
11-Deoxycortisol	0.470	0.307	0.472	0.637
21-Deoxycortisol	0.520	0.364	0.520	0.676
Androstenedione	0.498	0.345	0.493	0.641
Cortisol	11.46	7.71	11.02	14.33
Cortisone	2.48	1.75	2.49	3.24
Progesterone	0.502	0.351	0.501	0.651
Testosterone	0.276	0.195	0.278	0.362
17α-Hydroxyprogesterone	0.524	0.363	0.518	0.674
Dihydrotestosterone	0.378	0.273	0.390	0.506
Corticosterone	1.46	1.03	1.46	1.90
Dexamethasone	2.38	1.78	2.54	3.30
Dehydroepiandrosterone	3.36	2.12	3.27	4.41
Dehydroepiandrosterone-3-sulfate	264	203	313	422
Aldosterone	0.345	0.265	0.379	0.492
17β-Estradiol	0.144	0.101	0.145	0.188
Estrone	0.0469	0.0351	0.0501	0.0651
17α-Hydroxypregnenolone	1.43	1.03	1.47	1.91

	CONTROL H			
	Concentration	Acceptable range		
	found ng/mL	lower limit ng/mL	target value ng/mL	upper limit ng/mL
	3.69	2.51	3.59	4.67
	9.32	5.85	9.00	12.14
	9.90	6.52	9.31	12.10
	8.73	5.93	8.48	11.02
	187	119	170	221
	49.0	31.1	44.4	57.8
	9.20	6.43	9.18	11.94
	8.72	5.80	8.29	10.78
	10.40	6.95	9.92	12.90
	1.100	0.744	1.063	1.382
	28.5	18.8	26.9	34.9
	50.6	34.7	49.5	64.4
	30.0	21.3	32.8	44.3
	4616	2567	3950	5332
	3.52	2.32	3.31	4.31
	2.73	1.85	2.64	3.43
	0.877	0.620	0.885	1.151
	27.5	19.0	27.1	35.2

Composition:

REF		LOT	
30199458	LYO CAL ZERO	K928	2028-06
30191864	LYO CAL A-F	K929	2028-06
30191866	LYO CONTROL L	K930	2028-06
30191867	LYO COTROL H	K931	2028-06
30191868	INT STD	K922	2028-06

Valid edition of the instructions for use:

2024-10

This product has been tested successfully by the Quality Control Department and was released for sale according to the existing specifications.	
Verified by:	Dr. Spangenberg
Validation date:	2026-10-06
Accepted	
This document has been produced electronically and is valid without a signature.	



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Quality Control Certificate



Steroid Panel Tec-Trace

REF 30220283

LOT MSTC115

2028-06-30
YYYY-MM-DD

Final Release Results in nmol/L:

	CONTROL L			
	Concentration found	Acceptable range		
	nmol/L	lower limit nmol/L	target value nmol/L	upper limit nmol/L
11-Deoxycorticosterone	0.585	0.407	0.582	0.757
11-Deoxycortisol	1.358	0.887	1.364	1.841
21-Deoxycortisol	1.504	1.053	1.504	1.955
Androstenedione	1.738	1.205	1.721	2.237
Cortisol	31.63	21.29	30.42	39.54
Cortisone	6.87	4.84	6.91	8.98
Progesterone	1.598	1.115	1.593	2.071
Testosterone	0.956	0.676	0.965	1.255
17 α -Hydroxyprogesterone	1.589	1.099	1.570	2.041
Dihydrotestosterone	1.301	0.938	1.340	1.742
Corticosterone	4.22	2.96	4.23	5.50
Dexamethasone	6.06	4.53	6.47	8.41
Dehydroepiandrosterone	11.66	7.37	11.34	15.30
Dehydroepiandrosterone-3-sulfate	715	551	848	1145
Aldosterone	0.956	0.734	1.049	1.364
17 β -Estradiol	0.529	0.371	0.531	0.690
Estrone	0.1736	0.1297	0.1853	0.2409
17 α -Hydroxypregnenolone	4.31	3.10	4.43	5.76

	CONTROL H			
	Concentration found	Acceptable range		
	nmol/L	lower limit nmol/L	target value nmol/L	upper limit nmol/L
11.17	7.61	10.88	14.14	
26.94	16.90	26.00	35.10	
28.62	18.84	26.91	34.98	
30.48	20.71	29.58	38.46	
515	328	469	610	
135.7	86.2	123.1	160.1	
29.25	20.44	29.20	37.96	
30.25	20.14	28.76	37.39	
31.50	21.04	30.06	39.08	
3.784	2.559	3.656	4.752	
82.3	54.3	77.6	100.9	
129.2	88.4	126.3	164.2	
104.2	73.9	113.8	153.6	
12509	6958	10704	14450	
9.76	6.43	9.18	11.93	
10.01	6.79	9.69	12.60	
3.244	2.293	3.276	4.258	
82.7	57.1	81.5	106.0	

All results were acquired using this triple quadrupole mass spectrometer (Sciex 5500) using the following mass transitions:

Analyte	ESI	Q1/Precursor [m/z]	Q3 [m/z]	Internal Standard	ESI	Q1/Precursor [m/z]	Q3 [m/z]
11-Deoxycorticosterone	+	331	97	11-Deoxycorticosterone-13C3	+	334	100
11-Deoxycortisol	+	347	97	11-Deoxycortisol-D5	+	352	100
21-Deoxycortisol	+	347	311	21-Deoxycortisol-D8	+	355	319
Androstenedione	+	287	97	Androstenedione-13C3	+	290	100
Cortisol	+	363	121	Cortisol-D4	+	367	121
Cortisone	+	361	163	Cortisone-13C3	+	364	166
Progesterone	+	315	97	Progesterone-D9	+	324	100
Testosterone	+	289	97	Testosterone-13C3	+	292	100
17 α -Hydroxyprogesterone	+	331	97	17 α -Hydroxyprogesterone-D8	+	339	100
Dihydrotestosterone	+	291	255	Dihydrotestosterone-D3	+	294	258
Corticosterone	+	347	121	Corticosterone-13C3	+	350	332
Dexamethasone	+	393	373	Dexamethasone-D5	+	398	378
Dehydroepiandrosterone	+	289	271	Dehydroepiandrosterone-D5	+	294	258
Dehydroepiandrosterone-3-sulfate	+	271	253	Dehydroepiandrosterone-3-sulfate-D5	+	276	258
Aldosterone	-	359	189	Aldosterone-D4	-	363	190
17 β -Estradiol	-	271	145	17 β -Estradiol-13C3	-	274	148
Estrone	-	269	145	Estrone-13C3	-	272	148
17 α -Hydroxypregnenolone	-	331	287	17 α -Hydroxypregnenolone-13C2-D2	-	335	316

For Kit-Composition and valid edition of the instructions for use, see page 1.

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Verified by: Dr. Spangenberg

Accepted

Validation date: 2026-10-06

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