

Table A1

SERUM

sample #	gender	age	group	Na g/L	Mg g/L	K g/L	Ca g/L	Fe g/L	Cu ppb	Zn ppb	$\delta^{66}\text{Zn}$ ‰	$\delta^{65}\text{Cu}$ ‰	$\delta^{56}\text{Fe}$ ‰
16843 6	F	32	A1	2095	17.3	188	112	1.251	1156	1206	0.12	-0.04	-1.43
16848 7	F	19	A	2149	19.3	23.0	146	1.526	1586	1528	0.09	-0.71	-2.41
16849 5	F	20	O	2308	17.3	33.8	126	1.436	976	1477	0.09	-0.01	-2.18
16888 2	F	20	B	2444	18.4	153	139	0.630	2816	1530	0.12	-0.30	-2.97
16891 1	F	19	O	1753	17.8	34.9	146	1.527	2271	1502	0.11	-0.22	-1.67
16892 -	F	19	O	2130	15.7	124	118	1.669	2271	1157	0.26	-0.15	-1.38
20164 6	F	21	A	2449	17.7	117	124	1.549	2165	1151	0.28	-0.18	-0.89
20165 4	F	20	O	2103	18.7	10.1	92.7	2.118	896	1163	0.16	0.04	-1.60
20166 2	F	20	B	2536	15.4	105	119	1.532	1927	1223	0.16	-0.05	-0.61
20266 5	F	20	A	2727	17.5	128	110	0.711	966	1034	-0.03	-0.10	-1.38
20268 1	F	31	A	3172	18.7	138	88.3	1.162	973	1099	0.03	-0.01	-1.46
22458 1	F	22	O	3161	21.5	158	90.2	1.897	1086	1392	0.14	-0.48	-2.55
22461 0	F	22	AB	2906	19.4	122	86.1	0.853	966	1431	0.27	-0.26	-0.79
22480 5	F	32	A	3060	19.1	168	91.1	1.456	1634	1381	0.30	-0.26	-2.80
22495 2	F	34	A	3145	19.2	163	92.2	1.408	941	1153	0.21	-0.09	-1.25
22935 8	F	21	O	3049	16.2	182	95.8	1.706	1547	1480	0.22	-0.44	-1.69
22936 6	F	19	O	3099	20.5	164	91.3	0.814	1899	1491	0.20	-0.19	-0.84
22939 0	F	22	A1	2550	20.3	116	82.6	1.386	1801	1268	0.14	-0.36	-2.00
22940 3	F	19	B	2853	19.5	174	95.8	1.476	1082	1066	0.11	-0.24	-1.62
22943 8	F	21	O	2538	21.1	154	93.8	0.902	1216	1427	0.30	-0.30	-1.36
22946 2	F	20	A	3091	21.3	244	98.9	2.138	1715	1185	0.24	-0.36	-1.16
23056 -	F	19	A	3145	20.5	242	109	2.463	1917	1361	0.24	-0.29	-1.85
23058 6	F	20	A	3005	20.5	209	93.7	1.935	1151	1495	0.13	-0.48	-1.29
23060 7	F	20	A	2770	20.2	112	94.7	1.027	2135	1103	0.28	-0.43	-1.16
23062 3	F	21	O	2835	20.6	232	96.5	2.284	1738	1293	0.20	-0.33	-2.05
075828 4	F	28	B								0.16	-0.53	-2.56
078207 3	F	38	B								0.20	-0.80	-0.41
152389 0	F	31	B								0.32	-0.27	-1.82
0001935	M	25	B	2984	20.9	79.0	110	1.716	1210	1287	0.31	-0.44	-2.65
0001943	M	35	O	2888	21.6	25.9	105	1.213	815	1288	0.19	-0.61	-1.89
0175062	M	18	O	2937	22.3	64.1	110	0.537	701	1978	0.19	-0.48	-2.04
0175089	M	18	O	3117	20.5	114	112	0.806	733	1004	0.25	-0.56	-1.41
0195936	M	35	B	3097	21.5	154	115	1.054	907	1127	0.15	-0.29	-2.00
1003406	M	20	O	3026	20.8	231	106	1.169	675	1788	0.15	-0.64	-3.38
1003430	M	22	B	2858	17.9	169	92.4	1.697	926	1435	0.14	-0.26	-2.61
1003502	M	25	O	3056	20.5	328	94.5	1.348	967	1392	0.13	-0.27	-2.03
1015669	M	22	A	3076	21.8	241	106	2.350	750	1978	0.17	-0.21	-2.57
1015714	M	20	B	2779	17.8	133	93.8	1.344	492	1259	0.17	0.03	-1.94
1015837	M	19	B	2839	21.6	30.9	116	0.996	728	2352	0.18	0.06	-2.06
1015861	M	21	A	2917	22.7	222	98.0	2.424	698	1586	0.14	-0.22	-2.54
1015925	M	22	A	3019	21.2	173	99.1	1.512	928	1320	0.15	-0.06	-2.04
1015941	M	22	O	2805	20.5	118	97.3	1.848	801	1473	0.14	-0.41	-1.63
101595-	M	21	O	2768	18.6	63.5	92.8	1.223	875	1216	0.10	-0.07	-3.55
1015992	M	21	A	1586	20.3	42.6	101	0.801	352	1115	0.11	-0.03	-2.83
1019694	M	25	O	2947	20.4	251	94.8	0.962	761	1137	0.10	-0.18	-2.22
101990-	M	22	A	3060	18.3	169	103	1.653	753	1542	0.13	-0.20	-1.63
1019934	M	19	A	2723	23.2	260	97.2	1.621	844	1540	0.09	-0.32	-1.93
1020230	M	20	O	3019	22.6	149	110	1.868	912	1382		-0.22	-1.30
1020257	M	21	B	3217	20.5	88.1	98.8	1.747	883	1448	0.15	-0.24	-2.07
1020513	M	24	AB	3123	21.5	155	104	1.470	848	1123	0.15	-0.45	-1.53

Table A1 (continued)

TOTAL BLOOD

sample #	gender	age	group	Na g/L	Mg g/L	K g/L	Ca g/L	Fe g/L	Cu ppb	Zn ppb	$\delta^{66}\text{Zn}$ ‰	$\delta^{65}\text{Cu}$ ‰	$\delta^{56}\text{Fe}$ ‰
16843 6	F	32	A1	1814	39.7	2250	65.7	497	1602	5316	0.40	0.12	-2.39
16848 7	F	19	A	2025	37.5	2306	64.5	470	1306	5848	0.54	-0.52	-2.57
16849 5	F	20	O	2030	51.4	2368	59.4	528	870	7372	0.39	0.22	-2.55
16888 2	F	20	B	2101	35.2	2318	69.9	444	1915	7778	0.53	-0.17	-2.65
16891 1	F	19	O	2068	43.3	2475	60.6	511	954	6889	0.45	0.22	-2.23
16892 -	F	19	O	2341	36.3	2326	66.6	488	1697	7023	0.46	-0.18	-2.82
20164 6	F	21	A	2605	39.0	2288	65.9	492	1523	5826	0.50	0.01	-2.52
20165 4	F	20	O	2386	37.7	2338	67.0	478	792	7376	0.37	0.17	-2.45
20166 2	F	20	B	2442	37.3	2142	68.3	494	1429	6991	0.41	0.11	-2.61
20266 5	F	20	A	2616	39.4	2354	71.0	458	848	5848	0.25	0.03	-2.53
20268 1	F	31	A	2388	42.2	2328	63.9	494	760	6245	0.46	0.32	-2.41
22458 1	F	22	O	2425	44.2	2405	67.7	490	889	5564	0.45	-0.17	-2.26
22461 0	F	22	AB	1874	31.8	1911	55.4	384	914	6775	0.43	0.17	-2.52
22480 5	F	32	A	1800	35.0	1994	57.8	443	1282	6418	0.37	-0.04	-2.76
22495 2	F	34	A	1949	33.2	2280	65.9	482	1011	5750	0.36	0.27	-3.07
22935 8	F	21	O	1946	31.3	1999	62.1	425	1268	4689	0.43	-0.35	-2.69
22936 6	F	19	O	1903	30.9	1926	63.1	384	1530	5232	0.27	-0.01	-2.54
22939 0	F	22	A1	3760	32.6	3921	61.4	860	1440	5183	0.38	0.00	-2.39
22940 3	F	19	B	1708	34.9	1899	55.0	417	931	5378	0.44	-0.09	-2.85
22943 8	F	21	O	1914	31.0	1970	62.4	401	1040	5281	0.43	0.15	-2.46
22946 2	F	20	A	1826	33.3	2037	57.3	439	1399	5167	0.34	-0.25	-2.57
23056 -	F	19	A	1854	35.8	2159	59.6	423	1538	5895	0.41	-0.20	-2.56
23058 6	F	20	A	1776	30.2	2026	60.4	443	1079	5532	0.43	0.17	-2.80
23060 7	F	20	A	1912	34.8	2007	61.4	426	1687	5489	0.61	-0.04	-2.53
23062 3	F	21	O	1594	33.7	2134	52.1	471	1284	5065	0.44	0.04	-2.57
0001935	M	25	B	1595	35.0	2176	50.8	492	976	6697	0.32	-0.08	-2.89
0001943	M	35	O	1705	33.6	2307	54.2	506	779	5642	0.33	0.11	-2.65
0175062	M	18	O	1696	34.1	2163	53.9	478	762	5730	0.41	0.39	-2.81
0175089	M	18	O	1718	33.5	2288	55.8	456	817	5565	0.58	0.12	-2.70
0195936	M	35	B	1728	40.1	2173	53.5	502	932	6929	0.30	0.21	-2.48
1003406	M	20	O	1765	38.0	2375	57.5	524	806	7071	0.44	0.22	-2.73
1003430	M	22	B	1696	36.1	2160	53.5	519	882	4909	0.40	0.25	-3.10
1003502	M	25	O	1722	41.0	2195	55.0	480	892	5703	0.46	0.11	-2.62
1015669	M	22	A	1826	37.9	2139	57.7	485	824	6487	0.29	0.31	-2.73
1015714	M	20	B	1722	34.9	1998	56.8	447	636	5171	0.33	0.13	-2.82
1015837	M	19	B	1695	34.8	2245	53.6	504	825	6291	0.44	0.43	-2.76
1015861	M	21	A	1587	31.3	1922	47.4	451	552	5000	0.44	-0.21	-2.98
1015925	M	22	A	1415	23.2	1694	41.1	324	568	3608	0.37	0.18	-2.72
1015941	M	22	O	1549	31.5	1929	47.8	457	626	5010	0.38	0.13	-2.44
101595-	M	21	O	1540	31.5	1771	49.6	417	699	5262	0.51	0.17	-2.66
1015992	M	21	A	1534	27.7	1854	47.7	414	573	5287	0.27	0.35	-2.64
1019694	M	25	O	1473	31.1	1699	45.8	467	638	5064	0.42	0.18	-2.92
101990-	M	22	A	1400	28.7	1661	54.9	409	571	5962	0.21	0.11	-2.53
1019934	M	19	A	1484	36.5	1950	48.6	451	716	6386	0.63	0.06	-2.62
1020230	M	20	O	1936	43.3	2671	67.9	634	913	5853	0.33	0.28	-2.69
1020257	M	21	B	1400	26.0	1433	46.5	390	614	4462	0.35	0.30	-2.80
1020513	M	24	AB	1504	32.8	2034	49.0	613	717	7181	0.51	-0.19	-2.90

Table A1 (continued)

ERYTHROCYTES

sample #	gender	age	group	Na g/L	Mg g/L	K g/L	Ca g/L	Fe g/L	Cu ppb	Zn ppb	$\delta^{66}\text{Zn}$ ‰	$\delta^{65}\text{Cu}$ ‰	$\delta^{56}\text{Fe}$ ‰
16843 6	F	32	A1	1077	77.1	4113	23.3	1334	1016	12392	0.44	0.40	-2.03
16848 7	F	19	A	899	74.1	3849	25.5	1160	962	12317	0.54	0.08	-2.44
16849 5	F	20	O	1158	97.3	3947	24.0	1003	928	13925	0.48	0.70	-2.45
16888 2	F	20	B	2010	53.1	3066	51.8	972	1705	12850	0.51	-0.04	-2.54
16891 1	F	19	O	1115	71.9	3814	23.6	1294	1055	10298	0.38	0.41	-2.19
16892 -	F	19	O	834	68.7	3977	25.6	1184	1003	14011	0.44	0.21	-2.54
20164 6	F	21	A	1077	69.0	3952	23.8	1352	982	12717	0.55	0.60	-2.38
20165 4	F	20	O	918	70.1	4409	20.3	1238	890	15213	0.31	0.73	-2.52
20166 2	F	20	B	974	69.5	3312	28.0	1115	1029	13466	0.35	0.39	-2.54
20266 5	F	20	A	1039	66.8	3736	28.4	1172	924	12227	0.29	0.52	-2.47
20268 1	F	31	A	1030	80.7	4096	19.5	1338	863	13228	0.51	0.65	-2.24
22458 1	F	22	O	571	91.6	4047	23.1	1087	802	11301	0.34	0.31	-2.51
22461 0	F	22	AB	1147	44.7	2978	24.8	834	766	11506	0.35	0.52	-2.43
22480 5	F	32	A	832	47.4	3059	16.6	1067	738	10815	0.39	0.74	-2.65
22495 2	F	34	A	975	40.0	2952	16.6	1047	701	9600	0.45	0.80	-2.99
22935 8	F	21	O	653	47.5	3211	10.9	1018	606	7971	0.61	0.29	-2.43
22936 6	F	19	O	1211	37.9	2596	25.9	826	902	8410	0.46	0.23	-2.84
22939 0	F	22	A1	901	41.0	2770	18.2	925	761	8524	0.40	0.21	-2.44
22940 3	F	19	B	907	53.6	3109	17.5	1013	686	10213	0.49	0.57	-2.62
22943 8	F	21	O	751	44.8	3330	15.4	1007	639	10097	0.55	0.62	-2.28
22946 2	F	20	A	939	45.6	3038	18.5	997	809	9046	0.45	0.16	-2.45
23056 -	F	19	A	918	48.7	2987	19.9	956	764	10048	0.50	0.37	-2.52
23058 6	F	20	A	928	38.3	3010	18.0	979	717	8848	0.55	0.76	-2.63
23060 7	F	20	A	384	26.2	1609	8.2	551	381	5539	0.54	0.45	-2.56
23062 3	F	21	O	753	45.3	3116	16.0	1438	667	8371	0.53	0.69	-2.55
75828 4	F	28	B	840	42.5	2229	22.9	797	735	9195		0.18	-2.36
78207 3	F	38	B	529	37.7	1423	16.9	820	541	8777		-0.03	-2.15
152389 0	F	31	B	658	48.9	2837	18.9	818	478	8372		0.49	-2.48
0001935	M	25	B	706	48.3	2969	14.5	938	635	10628	0.48	0.62	-3.01
0001943	M	35	O	1048	44.0	2753	17.4	1015	557	8791	0.48	0.59	-2.73
0175062	M	18	O	1045	48.3	2872	18.1	1033	670	9354	0.41	0.71	-2.62
0175089	M	18	O	774	35.7	2311	14.6	578	499	6961	0.74	0.69	-2.84
0195936	M	35	B	811	58.7	2949	17.0	1050	687	11632	0.45	0.83	-2.36
1003406	M	20	O	627	47.3	2223	16.0	788	545	8746	0.59	0.52	-2.74
1003430	M	22	B	867	59.8	2746	21.1	1026	656	7702	0.56	0.81	-3.08
1003502	M	25	O	759	65.8	2604	19.9	676	591	9493	0.53	0.39	-2.63
1015669	M	22	A	930	56.0	2727	17.6	980	653	10392	0.53	0.83	-2.70
1015714	M	20	B	840	54.3	2905	17.8	962	530	9248	1.25	0.86	-2.94
1015837	M	19	B	888	50.1	3114	17.7	1031	716	10590	0.59	0.82	-2.69
1015861	M	21	A	881	56.9	2866	21.4	872	560	9393	0.20	0.33	-3.08
1015925	M	22	A	876	60.8	2848	23.2	786	635	7914	0.24	0.70	-2.59
1015941	M	22	O	870	56.3	2768	29.0	943	713	8633	0.17	0.70	-2.59
101595-	M	21	O	954	69.1	2435	23.9	869	669	9619	0.34	0.85	-2.66
1015992	M	21	A	960	49.3	3185	20.6	986	728	9748	0.38	0.91	-2.75
1019694	M	25	O	917	53.5	2514	23.6	893	670	9354	0.39	0.66	-2.83
101990-	M	22	A	854	51.5	3320	19.7	933	587	10923	0.27	0.75	-2.63
1019934	M	19	A	902	61.6	3128	21.8	934	725	10615	0.43	0.55	-2.74
1020230	M	20	O	803	53.9	2657	28.0	823	761	7652	0.36	0.70	-2.58
1020257	M	21	B	676	60.3	2766	18.9	890	716	9463	0.32	0.77	-2.99
1020513	M	24	AB	651	53.0	3663	20.6	960	752	12572	0.49	0.23	-2.86

