



bioscience
Protecting the Gift of Life

**ProGraf (tacrolimus) Testing:
 Comparison of Venous vs. Capillary
 (fingerstick) source for whole blood samples**

Tacrolimus	No.	Venous	Cap	Δ	Rel. % Δ	Abs. % Δ
	1	11.8	12.3	-0.7	-1.5%	0.0146
	2	11.9	11.9	0	0.0%	0.0000
	3	7.7	7.5	0.2	0.7%	0.0066
	4	7.3	7.7	-0.4	-1.3%	0.0133
	5	7.6	7.1	0.5	1.7%	0.0170
	6	7.5	7.7	-0.2	-0.7%	0.0066
	7	8.5	6.6	1.9	6.3%	0.0629
	8	6.3	6.1	0.2	0.8%	0.0081
	9	5.7	5.8	-0.1	-0.4%	0.0043
	10	8.7	7.5	1.2	3.7%	0.0370
	11	6.3	5.5	0.8	3.4%	0.0339
	12	7.7	7.5	0.2	0.7%	0.0066
	13	7.2	7.6	-0.1	-0.3%	0.0033
	14	8.4	8	0.4	1.2%	0.0124
	15	8.1	7	1.1	3.6%	0.0364
	16	6.2	6.3	-0.1	-0.4%	0.0040
	17	6.1	6	0.1	0.4%	0.0041
	18	8.4	8.4	0	0.0%	0.0000
	19	8.6	9.4	-0.8	-2.2%	0.0222
	20	8.2	8.6	-0.4	-1.2%	0.0119
	21	3.8	3.7	0.1	0.7%	0.0067
	22	3.6	4.2	-0.6	-3.8%	0.0385
	23	2.5	2.8	-0.3	-2.8%	0.0283
	24	2.6	2.4	0.2	2.0%	0.0200
	25	2.6	2.6	0	0.0%	0.0000
	26	8.9	9.2	-0.3	-0.8%	0.0083
	27	8.8	9.8	-1	-2.7%	0.0269
	28	8.7	9	-0.3	-0.8%	0.0085
	29	3.5	4.1	-0.6	-3.9%	0.0395
	30	3.7	4.4	-0.7	-3.9%	0.0432
	31	6.2	6.3	-0.1	-0.4%	0.0040
	32	6.2	5.9	0.3	1.2%	0.0124
	33	10.5	10.5	0	0.0%	0.0000
	34	10.4	10.5	-0.1	-0.2%	0.0024
	35	7.2	7.8	-0.6	-2.0%	0.0200
	36	10.1	10.1	0	0.0%	0.0000
	37	18.7	18.6	0.1	0.1%	0.0013
	38	2.6	3.2	-0.6	-2.9%	0.0297
	39	2.9	3.2	-0.3	-2.5%	0.0246
	40	6	6.1	-0.1	-0.4%	0.0041
	41	6	6.1	-0.1	-0.4%	0.0041
	42	11.9	11	0.9	2.0%	0.0192
	43	11.8	11	0.8	1.8%	0.0175
	44	3.8	3.5	0.3	2.1%	0.0205
	45	3.5	3.5	0	0.0%	0.0000
	46	8.1	7.2	0.9	2.9%	0.0294
	47	7.9	7.2	0.7	2.3%	0.0232
	48	7.3	7.3	0	0.0%	0.0000
	49	7.2	7.3	-0.1	-0.3%	0.0034
	50	24	21.7	2.3	2.5%	0.0252
	51	26	21.7	4.3	4.5%	0.0451
	52	3.8	3.9	-0.1	-0.6%	0.0065
	53	4.1	3.9	0.2	1.3%	0.0125
	54	2.8	3.2	-0.4	-3.3%	0.0333
	55	2.9	3.2	-0.3	-2.5%	0.0246
	56	5.6	6.3	-0.7	-2.9%	0.0294
	57	6.1	6.3	-0.2	-0.8%	0.0081
	58	11.2	10.7	0.5	1.1%	0.0114
	59	11.3	10.7	0.6	1.4%	0.0136
	60	3.1	3.2	-0.1	-0.8%	0.0079
	61	6.8	6.6	0.2	0.7%	0.0075
	62	11.3	11.7	-0.4	-0.9%	0.0087
	63	12.9	11.7	1.2	2.4%	0.0244
	64	13.4	13.8	-0.4	-0.7%	0.0074
	65	13	13.8	-0.8	-1.5%	0.0149
	66	12.1	11.7	0.4	0.8%	0.0084
	67	12.2	11.7	0.5	1.0%	0.0105
	68	6.1	5.4	0.7	3.0%	0.0304
	69	5.2	5.4	-0.2	-0.9%	0.0094
	70	8.3	7.8	0.5	1.6%	0.0155
	71	7.7	7.8	-0.1	-0.3%	0.0032
	72	6.8	7.4	-0.6	-2.1%	0.0211
	73	7	7.4	-0.4	-1.4%	0.0139
	74	21.8	23.6	-1.8	-2.0%	0.0198
	75	24.1	23.6	0.5	1.5%	0.0152
	76	2.5	3.2	-0.7	-6.1%	0.0614
	77	3.1	3.2	-0.1	-0.8%	0.0079
	78	6.8	6.6	0.2	0.7%	0.0075
	79	11.3	11.7	-0.4	-0.9%	0.0087
	80	12.9	11.7	1.2	2.4%	0.0244
	81	13.4	13.8	-0.4	-0.7%	0.0074
	82	13	13.8	-0.8	-1.5%	0.0149
	83	12.1	11.7	0.4	0.8%	0.0084
	84	12.2	11.7	0.5	1.0%	0.0105
	85	6.1	5.4	0.7	3.0%	0.0304
	86	5.2	5.4	-0.2	-0.9%	0.0094
	87	8.3	7.8	0.5	1.6%	0.0155
	88	7.7	7.8	-0.1	-0.3%	0.0032
	89	6.8	7.4	-0.6	-2.1%	0.0211
	90	7	7.4	-0.4	-1.4%	0.0139
	91	21.8	23.6	-1.8	-2.0%	0.0198
	92	24.1	23.6	0.5	1.5%	0.0152
	93	3.3	2.7	0.6	5.0%	0.0500
	94	6.8	6.6	0.2	0.7%	0.0075
	95	11.8	11.5	0.3	0.6%	0.0064
	96	11.7	11.5	0.2	0.4%	0.0043
	97	14	13.7	0.3	0.5%	0.0054
	98	11.5	13.7	-2.2	-4.4%	0.0437
	99	11.3	11.9	-0.6	-1.3%	0.0129
	100	11.2	11.9	-0.7	-1.5%	0.0152
	101	5.1	5.2	-0.1	-0.5%	0.0049
	102	5.6	5.2	0.4	1.9%	0.0185
	103	7.6	7.4	0.2	0.7%	0.0067
	104	7.3	7.4	-0.1	-0.3%	0.0034
	105	7.7	7	0.7	2.4%	0.0238
	106	6.6	7	-0.4	-1.5%	0.0147
	107	22.1	23	-0.9	-1.0%	0.0100
	108	23	23	0	0.0%	0.0000
	109	29.6	32	-2.4	-1.9%	0.0195
	110	31.1	32	-0.9	-0.7%	0.0071
	111	19.1	18.2	0.9	1.2%	0.0121
	112	19.7	18.2	1.5	2.0%	0.0198
	113	9.4	8.5	0.9	2.5%	0.0251
	114	8.7	8.5	0.2	0.6%	0.0058
	115	4.2	4	0.2	1.2%	0.0122
	116	2.8	2.9	-0.1	-0.9%	0.0088
	117	6.6	6.8	-0.2	-0.7%	0.0075
	118	13.4	12.7	0.7	1.3%	0.0134
	119	15.1	15.3	-0.2	-0.3%	0.0033
	120	5.8	3.9	1.9	3.9%	0.0393
	121	3.7	4.5	-0.8	-4.9%	0.0488
	122	12.5	16	-3.5	-6.1%	0.0614
	123	7.8	7.8	0	0.0%	0.0000
	124	20.2	19.3	0.9	1.1%	0.0114
	125	10.3	11.3	-1	-2.3%	0.0231
	126	11.4	13.4	-2	-4.0%	0.0403
	127	8.9	8.2	0.7	2.0%	0.0205
	128	9.8	8.2	1.6	4.4%	0.0444
	129	6.3	6	0.3	1.2%	0.0122
	130	5.3	5.2	0.1	0.5%	0.0048
	131	3	2.8	0.2	1.7%	0.0172
	132	2.8	2.8	0	0.0%	0.0000
	133	7.3	7.3	0	0.0%	0.0000
	134	6.8	7.3	-0.5	-1.8%	0.0177
	135	5.1	5.3	-0.2	-1.0%	0.0096
	136	5.3	5.5	-0.2	-0.9%	0.0093
	137	4.4	4.7	-0.3	-1.6%	0.0165
	138	4.7	5.5	-0.8	-3.9%	0.0392
	139	9.2	9.5	-0.3	-0.8%	0.0080
	140	9.5	9.5	0	0.0%	0.0000
	141	7.4	8.1	-0.7	-2.3%	0.0226
	142	6.5	7.2	-0.7	-2.6%	0.0255
	143	7.4	7.3	0.1	0.3%	0.0034
	144	6.3	6.6	-0.3	-1.2%	0.0116
	145	5.3	6.6	-1.3	-5.5%	0.0546
	146	3.6	3.4	0.2	1.4%	0.0143
	147	2.6	3.4	-0.8	-6.7%	0.0667
	148	9.1	9.4	-0.3	-0.8%	0.0081
	149	9.6	9.4	0.2	0.5%	0.0053
	150	2.8	2.2	0.6	6.0%	0.0600
	151	3	2.5	0.5	4.5%	0.0455
	152	2.7	2.1	0.6	6.3%	0.0625
	153	7.7	7.5	0.2	0.7%	0.0066
	154	7.3	7.7	-0.4	-1.3%	0.0133
	155	7.6	7.1	0.5	1.7%	0.0170
	156	8.7	7.5	1.2	3.7%	0.0370
	157	7.5	7.7	-0.2	-0.7%	0.0066
	158	8.5	6.6	1.9	6.3%	0.0629
	159	6.3	6.1	0.2	0.8%	0.0081
	160	5.7	5.8	-0.1	-0.4%	0.0043
	161	6.3	5.5	0.8	3.4%	0.0339
					0.04%	1.79%

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