

**Supplemental Table 1.** Mean, SD and %CV of serum NT-proANP analysis (n=5)

Lab	Group	Male (Prestudy)			Male (Day 2)			Male (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	19.59	5.86	29.91	20.32	5.36	26.38	18.94	2.44	12.89
	Minoxidil	19.53	4.36	22.33	44.30	10.45	23.58	40.88	10.63	26.01
	Isoproterenol	20.50	4.48	21.83	62.14	12.77	20.55	25.80	1.94	7.54
Lilly (MSD)	Vehicle Control	17.04	8.65	50.77	25.12	6.53	25.98	23.78	4.10	17.25
	Minoxidil	18.71	5.58	29.85	49.48	5.43	10.98	46.20	14.50	31.39
	Isoproterenol	20.20	6.71	33.23	65.94	10.93	16.58	29.84	1.83	6.12
Lilly (Alpco)	Vehicle Control	14.71	4.74	32.27	13.59	5.00	36.81	14.73	2.30	15.65
	Minoxidil	12.68	2.70	21.30	32.17	6.42	19.97	28.39	8.78	30.94
	Isoproterenol	14.07	4.52	32.12	58.47	17.57	30.05	20.99	3.24	15.44
Lab	Group	Female (Prestudy)			Female (Day 2)			Female (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	14.85	3.78	25.47	14.02	3.42	24.42	15.86	4.08	25.75
	Minoxidil	12.21	2.98	24.41	41.70	10.46	25.08	40.58	5.33	13.13
	Isoproterenol	13.21	1.62	12.24	41.72	7.64	18.30	21.68	4.10	18.90
Lilly (MSD)	Vehicle Control	10.11	5.88	58.17	18.24	4.83	26.48	18.10	3.70	20.47
	Minoxidil	13.39	5.83	43.55	48.18	10.81	22.43	50.86	6.89	13.54
	Isoproterenol	14.08	5.39	38.28	46.66	17.76	38.06	25.98	5.05	19.43
Lilly (Alpco)	Vehicle Control	12.10	3.76	31.07	10.65	2.23	20.94	13.17	4.64	35.21
	Minoxidil	10.85	4.11	37.90	30.97	11.22	36.23	32.39	5.01	15.48
	Isoproterenol	11.80	5.15	43.68	45.17	13.62	30.16	12.56	3.40	27.07

**Supplemental Table 2.** Mean, SD and %CV of serum NT-proBNP analysis (n=5)

Lab	Group	Male (Day 2)			Male (Day 8)		
		Mean (pg/ml)	SD	%CV	Mean (pg/ml)	SD	%CV
SRI	Vehicle Control	169.74	82.59	48.66	153.64	52.27	34.02
	Minoxidil	406.60	47.04	11.57	413.80	118.84	28.72
	Isoproterenol	403.00	219.38	54.44	368.80	178.45	48.39
Lilly	Vehicle Control	178.48	99.42	55.71	155.55	75.91	48.80
	Minoxidil	400.04	59.99	15.00	441.68	142.88	32.35
	Isoproterenol	433.84	237.11	54.65	243.92	75.64	31.01
Lab	Group	Female (Day 2)			Female (Day 8)		
		Mean (pg/ml)	SD	%CV	Mean (pg/ml)	SD	%CV
SRI	Vehicle Control	62.44	31.30	50.13	53.18	23.65	44.47
	Minoxidil	144.78	47.68	32.94	236.40	155.79	65.90
	Isoproterenol	308.48	314.86	102.07	121.28	32.46	26.77
Lilly	Vehicle Control	58.76	31.44	53.50	53.16	16.79	31.58
	Minoxidil	165.10	50.29	30.46	254.42	130.05	51.12
	Isoproterenol	323.40	302.28	93.47	130.30	34.84	26.74

**Supplemental Table 3.** Mean, SD and %CV of serum Myl3 analysis (n=5)

Lab	Group	Male (Day 2)			Male (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	0.140	0.063	44.89	0.158	0.053	33.31
	Minoxidil	0.114	0.029	25.27	0.072	0.029	39.77
	Isoproterenol	15.104	8.521	56.41	0.114	0.046	40.48
Lilly	Vehicle Control	0.211	0.063	29.99	0.331	0.130	39.12
	Minoxidil	0.177	0.040	22.32	0.136	0.040	29.13
	Isoproterenol	15.500	8.719	56.25	0.187	0.066	35.16
Lab	Group	Female (Day 2)			Female (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	0.256	0.089	34.79	0.142	0.049	34.28
	Minoxidil	0.088	0.040	45.03	0.130	0.034	26.09
	Isoproterenol	7.646	4.175	54.60	0.212	0.090	42.51
Lilly	Vehicle Control	0.277	0.077	27.90	0.188	0.045	24.06
	Minoxidil	0.184	0.062	33.86	0.199	0.094	47.12
	Isoproterenol	8.202	4.391	53.53	0.330	0.098	29.69

**Supplemental Table 4.** Mean, SD and %CV of serum FABP3 analysis (n=5)

Lab	Group	Male (Day 2)			Male (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	6.146	2.687	43.72	4.878	2.418	49.56
	Minoxidil	4.480	2.819	117.05	6.066	6.557	108.09
	Isoproterenol	9.074	5.916	55.65	11.196	5.602	50.04
Lab	Group	Female (Day 2)			Female (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	3.974	2.924	73.58	9.254	6.735	72.78
	Minoxidil	3.016	4.059	134.58	4.268	1.678	39.31
	Isoproterenol	8.184	5.661	69.17	8.140	2.737	33.63

**Supplemental Table 5.** Mean, SD and %CV of serum cTnI analysis (n=5)

Lab	Group	Male (Day 2)			Male (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	0.008	0.0084	104.58	0.000	0.000	0.000
	Minoxidil	0.002	0.0045	223.61	0.000	0.000	0.000
	Isoproterenol	3.588	4.3545	121.36	0.000	0.000	0.000
Pfizer	Vehicle Control	0.000	0.000	0.000	0.000	0.000	0.000
	Minoxidil	0.020	0.0308	154.11	0.000	0.000	0.000
	Isoproterenol	8.406	11.517	137.01	0.000	0.000	0.000
Lab	Group	Female (Day 2)			Female (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	0.004	0.0055	136.93	0.000	0.000	0.000
	Minoxidil	0.000	0.000	0.000	0.000	0.000	0.000
	Isoproterenol	0.222	0.1703	76.74	0.002	0.0045	223.61
Pfizer	Vehicle Control	0.000	0.000	0.000	0.000	0.000	0.000
	Minoxidil	0.000	0.000	0.000	0.006	0.0134	223.61
	Isoproterenol	0.464	0.3794	81.76	0.012	0.0268	223.61

**Supplemental Table 6.** Mean, SD and %CV of serum cTnT analysis (n=5)

Lab	Group	Male (Day 2)			Male (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	0.008	0.0179	223.61	0.020	0.0447	223.61
	Minoxidil	0.040	0.0552	138.07	0.000	0.000	0.000
	Isoproterenol	1.274	0.8355	65.58	0.046	0.0445	96.73
Lab	Group	Female (Day 2)			Female (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	0.344	0.1686	49.02	0.152	0.1775	116.80
	Minoxidil	0.000	0.000	0.000	0.020	0.0447	223.61
	Isoproterenol	0.124	0.1226	98.87	0.028	0.0390	139.24

**Supplemental Table 7.** Mean, SD and %CV of serum sTnI analysis (n=5)

Lab	Group	Male (Day 2)			Male (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	1.980	0.9483	47.90	0.368	0.4262	115.82
	Minoxidil	2.334	2.0442	87.58	1.398	2.0997	150.19
	Isoproterenol	2.474	0.8499	34.35	3.106	2.1607	69.56
Lab	Group	Female (Day 2)			Female (Day 8)		
		Mean (ng/ml)	SD	%CV	Mean (ng/ml)	SD	%CV
SRI	Vehicle Control	2.258	1.4026	62.12	3.512	2.3356	66.50
	Minoxidil	0.126	0.2817	223.61	1.492	0.7660	51.34
	Isoproterenol	0.762	0.7989	104.84	1.002	0.4677	46.68

**Supplemental Table 8.** Correlation analysis of NT-proANP, NT-proBNP, Myl3 and cTnI

<b>Biomarker</b>	<b>Laboratory (Platform)</b>	<b>Correlation Coefficient (r)</b>	<b>95% Confidence Interval</b>	<b>R<sup>2</sup></b>
NT-proANP	SRI (MSD) Lilly (MSD)	0.9460	0.9224- 0.9626	0.8950
NT-proANP	Lilly (MSD) Lilly (Alpco)	0.8777	0.8283- 0.9135	0.7703
NT-proBNP	SRI (MSD) Lilly (MSD)	0.9125	0.8566- 0.9472	0.8327
Myl3	SRI (MSD) Lilly (MPI)	0.9982	0.9969- 0.9989	0.9963
cTnI	SRI (MSD) Pfizer (Siemens)	0.9970	0.9919- 0.9989	0.9939



**Supplemental Table 9.** Inter-laboratory or inter-platform Mean and %CV of NT-proANP, NT-proBNP, Myl3 and cTnI (n=2)

Biomarker	Lab (Platform)	Group	Male (Prestudy)		Male (Day 2)		Male (Day 8)		Female (Prestudy)		Female (Day 2)		Female (Day 8)	
			Mean	%CV	Mean	%CV	Mean	%CV	Mean	%CV	Mean	%CV	Mean	%CV
NT-proANP	SRI (MSD) & Lilly (MSD)	Vehicle Control	18.31	9.85	22.72	14.94	21.36	16.01	12.48	26.87	16.13	18.50	16.98	9.33
		Minoxidil	19.12	3.03	46.89	7.81	43.54	8.64	12.80	6.51	44.94	10.20	45.72	15.90
		Isoproterenol	20.35	1.04	64.04	4.20	27.82	10.27	13.65	4.51	44.19	7.90	23.83	12.76
NT-proANP	Lilly (MSD) & Lilly (Alpco)	Vehicle Control	15.87	10.39	19.36	42.11	19.25	33.23	11.10	12.68	14.45	37.15	15.64	22.29
		Minoxidil	15.69	27.18	40.83	29.97	37.29	33.77	12.12	14.84	39.58	30.75	41.62	31.38
		Isoproterenol	17.14	25.29	62.20	8.49	25.42	24.61	12.94	12.48	45.91	2.30	19.27	49.23
NT-proBNP	SRI (MSD) & Lilly (MSD)	Vehicle Control	NA	NA	174.11	3.55	154.60	0.87	NA	NA	60.60	4.29	53.17	0.03
		Minoxidil	NA	NA	403.32	1.15	427.74	4.61	NA	NA	154.94	9.27	245.41	5.19
		Isoproterenol	NA	NA	418.42	5.21	306.36	28.82	NA	NA	315.94	3.34	125.79	5.07
Myl3	SRI (MSD) & Lilly (MPI)	Vehicle Control	NA	NA	0.175	28.48	0.245	50.11	NA	NA	0.266	5.52	0.165	19.79
		Minoxidil	NA	NA	0.146	30.77	0.104	43.51	NA	NA	0.136	50.05	0.165	29.73
		Isoproterenol	NA	NA	15.302	1.83	0.151	34.46	NA	NA	7.924	4.96	0.271	30.87
cTnI	SRI (MSD) & Pfizer (Siemens)	Vehicle Control	NA	NA	0.004	141.4	0.000	0.000	NA	NA	0.002	141.4	0.000	0.000
		Minoxidil	NA	NA	0.011	115.7	0.000	0.000	NA	NA	0.000	0.000	0.003	141.4
		Isoproterenol	NA	NA	5.997	56.81	0.000	0.000	NA	NA	0.343	49.89	0.007	101.0

NA; data not available