

Supplementary Table S4. Output Parameter Values for JC-10 Mitochondria Potential Assay

Compound	Concentration (nM)	<i>n</i>	Average ± SD (max)	Average ± SD (min)	Z'-Factor	Assay window
Antimycin A 50 nM						
Granularity	50	8	43,616 ± 3,081	1,408 ± 1,160	0.70	31
Granules per cell			24 ± 2.1	0.8 ± 0.7	0.64	30
Total granule area			436,463 ± 92,337	5,426 ± 4,752	0.32	80
Mean granule area			236 ± 32	3.1 ± 2.7	0.55	76
Cell total granule area			222 ± 28	3.0 ± 2.6	0.58	75
CCCP 500 nM						
Granularity	500	4	44,170 ± 1,680	1,494 ± 461	0.85	30
Granules per cell			23 ± 1.3	0.8 ± 0.3	0.79	29
Total granule area			473,126 ± 36,030	5,272 ± 1,296	0.76	90
Mean granule area			247 ± 18	2.8 ± 0.7	0.77	87
Cell total granule area			231 ± 16	2.8 ± 0.7	0.78	83
10x objective, 60 min incubation.						