



Kinetic Image Cytometry[®]

Single Cell Analysis – Precision CNS Drug Discovery

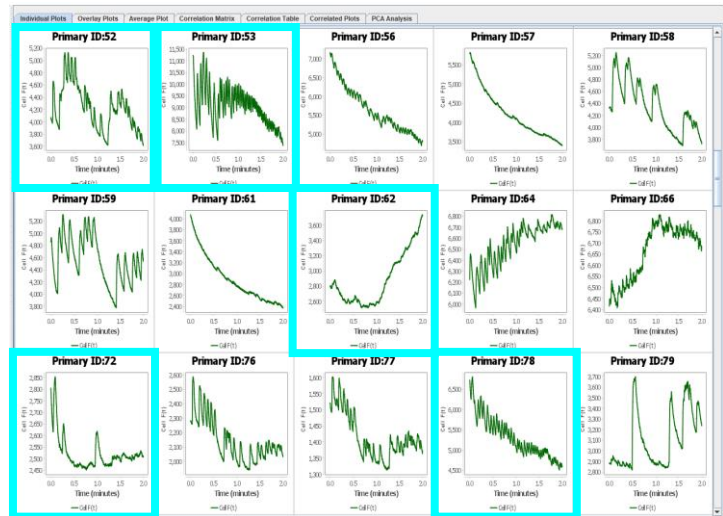
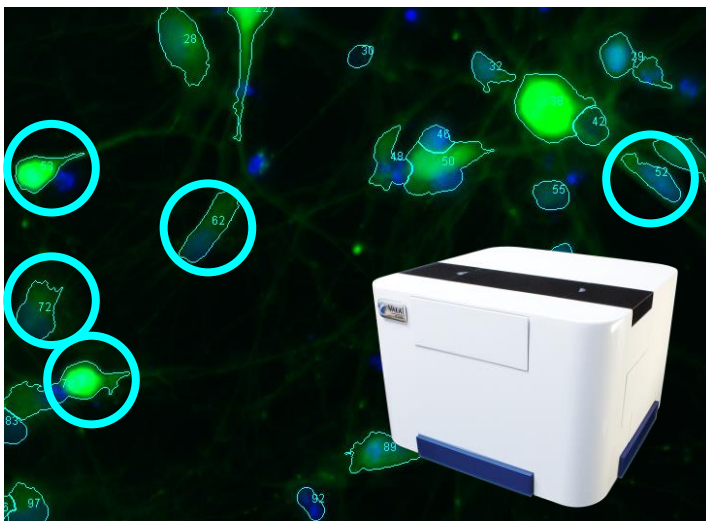
Our technology

Kinetic Image Cytometry[®] (KIC[®]) captures fully automated, high throughput optical electrophysiology readouts from single cells:

- Time series imaging 0.1-1500 frames/second
- Sequential and interleaved time series imaging
- Environmental control (temperature/CO₂/O₂)
- Electrical and optogenetic stimulation
- In-well drug injection fluidics during imaging

CyteSeer[®], our video and image analysis platform, derives single-cell kinetic measurements from KIC[®] to produce data-rich readouts of cellular responses:

- Action potentials and calcium transients
- Microglia activation and phagocytosis
- Neurite morphology and synapse density
- Organelle function and morphology
- Cell proliferation and biomarker expression



Primary ID	Well	Event Frequency (Hz) ▼	Max Peak Amplitude ▼	Mean Peak Amplitude ▼	Mean Peak Area ▼	Mean Peak FWHM Time ▼
44	C05	0.0919	703.6778	475.6728	2373490.1083	5300.6270
45	C05	0.1169	87.9256	41.5543	93209.7611	2214.0774
46	C05	0.0752	745.2338	351.1791	2283400.3567	6981.9990
47	C05	0.1670	273.8893	136.7492	280844.3456	2003.1476
48	C05	0.0585	308.4463	124.5609	1582647.8760	9068.3961
52	C05	0.1670	666.8430	313.3100	717650.2008	2122.5402
53	C05	0.2589	2033.7587	860.2585	1350267.4553	1285.4685
56	C05	0.2589	201.2655	137.0292	259950.7304	1967.7706
57	C05	0.2255	63.9854	26.8832	42817.7567	1445.0049
58	C05	0.0585	903.9507	484.0448	3779682.1486	6979.0918
59	C05	0.1086	764.8447	513.9516	1857855.3095	3206.4513
61	C05	0.1336	57.2172	29.5693	82007.7740	2611.4722
62	C05	0.1002	156.3988	57.3333	507697.6898	3990.5911
64	C05	0.1837	331.3705	168.8891	445743.6529	2636.5125
66	C05	0.2088	79.9276	40.3187	60475.3493	1553.7938
72	C05	0.0835	243.8382	63.8774	239520.4878	3274.3044
76	C05	0.1587	315.7719	139.0262	319698.7275	2284.8795
77	C05	0.1754	99.3827	48.4311	108893.4518	2060.7403
78	C05	0.3340	589.3653	223.5737	320611.5712	1284.9072
79	C05	0.0501	783.2111	387.8530	2972055.7754	5962.9302
81	C05	0.1837	66.7996	26.1650	53831.6597	1777.1751

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