

Authors	Median FDR	Mean FDR	# Units	τ_c (ms)	Sorter
Xu et al. <i>Nature</i> (2022)	$3.1\% \pm 0.5\%$	$14.3\% \pm 0.4\%$	3046	0	Kilosort
Economo et al. <i>Nature</i> (2018)	$3.1\% \pm 0.6\%$	$12.5\% \pm 0.5\%$	1988	0.25	JRClust
Gao et al. <i>Nature</i> (2018)	$4.4\% \pm 0.7\%$	$18.7\% \pm 0.6\%$	1923	0.5	UltraMegaSort2000
Li et al. <i>Nature</i> (2016)	$4.5\% \pm 0.8\%$	$19.7\% \pm 0.7\%$	1543	0.85	UltraMegaSort2000
Inagaki et al. <i>Cell</i> (2022)	$6.2\% \pm 0.3\%$	$17.7\% \pm 0.3\%$	7968	0.25	JRClust/Kilosort
Guo et al. <i>Nature</i> (2017)	$6.5\% \pm 0.7\%$	$18.8\% \pm 0.6\%$	1936	0.85	UltraMegaSort2000
Steinmetz et al. <i>Nature</i> (2019)	$6.9\% \pm 0.2\%$	$28.0\% \pm 0.1\%$	48661	0	Kilosort
Sylwestrak et al. <i>Cell</i> (2022)	$12.8\% \pm 0.4\%$	$29.1\% \pm 0.3\%$	10548	0.25	Kilosort
Stringer et al. <i>Science</i> (2019) [†]	$21.9\% \pm 0.5\%$	$33.1\% \pm 0.4\%$	6446	0	Kilosort
Finkelstein et al. <i>Nature Neuroscience</i> (2021)	$23.3\% \pm 0.5\%$	$32.9\% \pm 0.4\%$	5164	0.25	JRClust
Chinta & Pluta <i>Nature Communications</i> (2022)	$28.2\% \pm 1.3\%$	$36.2\% \pm 1.0\%$	991	0	Kilosort
Juavinett et al. <i>eLife</i> (2019) [†]	$52.9\% \pm 0.8\%$	$45.4\% \pm 0.6\%$	2256	0	Kilosort

[†]Calculated using homogeneous equation

Table 1. Mean and median FDR of publicly available spike-sorted electrophysiology datasets