

$ \Delta pH $	0.2	1	0.2	1	0.2	1	0.2	1	0.2	1
Current and duration	100 pA for 10 min		500 pA for 20 min		1 $\mu$ A for 60 min		10 $\mu$ A for 60 min		100 $\mu$ A for 60 min	
Buffer concentration	10 $\mu$ L	700 nL	100 $\mu$ L	7 $\mu$ L	600 $\mu$ L	40 $\mu$ L	6 mL	400 $\mu$ L	60 mL	4 mL
1 mM	1 $\mu$ L	70 nL	10 $\mu$ L	700 nL	60 $\mu$ L	4 $\mu$ L	600 $\mu$ L	40 $\mu$ L	6 mL	400 $\mu$ L
10 mM	100 nL	7 nL	1 $\mu$ L	70 nL	6 $\mu$ L	400 nL	60 $\mu$ L	4 $\mu$ L	600 $\mu$ L	40 $\mu$ L
100 mM	10 nL	700 pL	100 nL	7 nL	600 nL	40 nL	6 $\mu$ L	400 nL	60 $\mu$ L	4 $\mu$ L

Recommended well size for given buffer concentration, allowable  $|\Delta pH|$  and nominal current/experiment duration