To use this recipe calculator, fill in the colored cells with the appropriate v

To make 4 N HCl in 1 liter bottle from concentrated 1xQD Stock

Normality Conc. Stock	11.73	11.95	11.88
ml Conc. Stock	341.0	334.7	336.7
ml milli-Q	659.0	665.3	663.3
ml final solution	1000	1000	1000
Normality final	4	4	4

To make 6 N HCl in 1 liter bottle from concentrated 1xQD Stock

Normality Conc. Stock	11.73	11.95	11.88
ml Conc. Stock	511.5	502.1	505.1
ml milli-Q	488.5	497.9	494.9
ml final solution	1000	1000	1000
Normality final	6	6	6

To make 2.5 N HCl in 1 liter bottle from Concentrated 1xQD Stock

Normality Conc. Stock	11.73	11.95	11.88
ml Conc. Stock	213.1	209.2	210.4
ml milli-Q	786.9	790.8	789.6
ml final solution	1000	1000	1000
Normality final	2.5	2.5	2.5

To make 0.15 N HCl in 1 liter bottle from concentrated 1xQD Stock

Normality Conc. Stock	11.73	11.95	11.88
ml Conc. Stock	12.8	12.6	12.6
ml milli-Q	987.2	987.4	987.4
ml final solution	1000	1000	1000
Normality final	0.15	0.15	0.15

To make 30% ethanol in 0.5M HCl for 3rd column*

Normality Conc. Stock	4	4	4	4
Number of columns	15	6	9	3
ml of Ethanol	94.5	37.8	56.7	18.9
ml of Conc. Stock HCl	39.4	15.8	23.6	7.9
ml Milli-Q	181.1	72.5	108.7	36.2

values