

Cleaning procedure beakers

of times cleaning acid has been used (discard after 5x):
date:

Step #	Action	Check
1	remove labels with ethanol from a squirt bottle and rinse interior and exterior with tap H ₂ O and swab interior surfaces with a moistened Kimwipe	
2	rinse with MQ H ₂ O squirt bottle	
3	add ~6 M HCl (50:50 MQ H ₂ O : reagent HCl) -- just enough to cover the bottom of the jars; 1-3 ml for vials	
4	cap jar and place on hotplate at 80-100°C for at least 1 hr (best = overnight)	
5	swirl and collect acid droplets at bottom	
6	discard acid (ultimately into 'HCl waste' carboy) and rinse jar and cap twice with MQ H ₂ O	
7	add ~7 M HNO ₃ (50:50 MQ H ₂ O : reagent HNO ₃) -- just enough to cover the bottom of the jars; 1-3 ml for vials	
8	cap jar and place on hotplate at 80-100°C for at least 1 hr (best if left overnight)	
9	swirl and collect acid droplets from cap and walls	
10	discard acid (ultimately into 'HNO ₃ waste' carboy) and rinse jar twice with MQ H ₂ O	
11	dry in fume cupboard and if you are not immediately using the jars, store them in Ziploc bag or plastic bin	

Cleaning procedure centrifuge tubes

of times cleaning acid has been used (discard after 5x):
date:

Step #	Action	Check
1	add 1-2 ml 1x QD 1 M HNO ₃	
2	cap and agitate	
3	collect acid in a waste cup and discard into HNO ₃ carboy	
4	repeat with MQ H ₂ O, and shake out all droplets	
5	a large number are cleaned in advance, store them in a Ziploc bag with an appropriate label	

