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We use this protocol and it's working

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Acid Wash Protocol (Alegado Lab)

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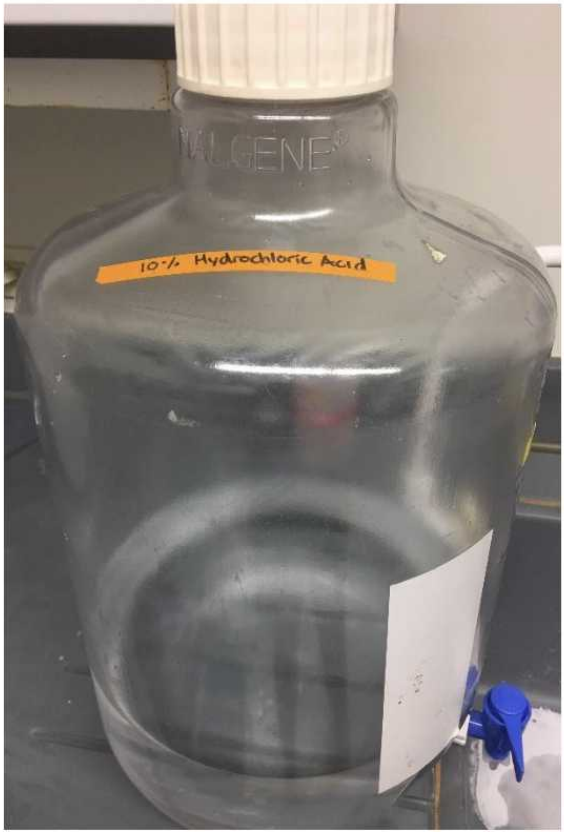
ABSTRACT

This protocol guides lab members through the acid wash process

Pre-requisites (BEFORE proceeding to acid washing)

1 Check acid solution levels

--> Note: If it's only 1/3 full, make new solution, you will use almost all of the current stock.



2 Check to see if Alegado Acid Wash Bin is free or if it is being used

3 Gather bottles to be washed and take over to *acid washing lab*

Acid Washing

4 Fill bin with 10% Hydrochloric acid solution about ½ to 2/3 full and submerge bottles in bin.

5 Fill bottles with acid solution, cap and place in bin.

6 Cover bin with lid.

--> Note: insure cover is secured.

7 Let sit for minimal of 2 hours.

--> Note: place bin on Acid wash rack.

8 Rinse with miliQ water

9 Dry on designated drying surface

10 Empty bin and rinse with miliQ water.

11 Dry

Neutralization of Acid

12 Plug the drain and test the seal using water

13 Use acid rinse until the sink fills **3/4** maximum

14 Add sodium bicarbonate

15 Test the pH using a test strip

- If the measured pH is between 5.5 and 8.5, unplug the drain and discharge. Repeat the procedure for any remaining acid rinsing.
- If the pH is below 5.5, add more sodium bicarbonate
- If the pH is above 8.5, add more acid.

Always test the pH before discharging !


ACID RINSE NEUTRALIZATION PROCEDURE
1- Plug drain and test seal with water
2- Use acid rinse until sink fills ¾ max
3- Add Sodium Bicarbonate
4- Test pH with test strip
If pH measures between 5.5 and 8.5, unplug drain, discharge and repeat procedure above for any remaining acid rinsing. If pH is below 5.5 add more Sodium Bicarbonate. If pH is above 8.5 add more acid. Always test before discharge.