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**MATRIC NO: 16/MHS06/027**

**COURSE CODE: MLS 201**

**ASSIGNMENT**

**Beakers:** Rinse the glassware with the appropriate solvent. Use deionized water for water-soluble contents. Use ethanol for ethanol-soluble contents, followed by rinses in deionized water. Rinse with other solvents as needed, followed by ethanol and finally deionized water. If the glassware requires scrubbing, scrub with a brush using hot soapy water, rinse thoroughly with tap water, followed by rinses with deionized water.

**Burets:** Wash with hot soapy water, rinse thoroughly with tap water, then rinse 3-4 times with deionized water. Be sure the final rinses sheet off of the glass. Burets need to be thoroughly clean to be used for quantitative labwork.

**Pipets and**[**Volumetric Flasks**](https://www.thoughtco.com/definition-of-volumetric-flask-605783)  
In some cases, you may need to soak the glassware overnight in soapy water. Clean pipets and [volumetric flasks](https://www.thoughtco.com/what-is-a-volumetric-flask-606043) using warm soapy water. The glassware may require scrubbing with a brush. Rinse with tap water followed by 3-4 rinses with deionized water.

**Test Tubes:** Always wash immediately after use. If a thorough cleaning is not immediately possible, always allow the glassware to soak. If not cleaned immediately some residues may be impossible to remove. Most new glass is slightly alkaline and should be washed upon receipt and generally can be soaked in a 1% HCL or HNO3 solution before wash and rinse. Never soak for long periods in strong alkaline solutions as it will damage the glass. Always follow up a soap or acid wash with a good water rinse. Always use soft brushes with a wooden or soft plastic handle to avoid abrasion. Do not use wire brushes or brushes with a wire core as it can abrade the glass.