

SAFETY TIPS LABORATORY GLASSWARE

Safe Handling of Glassware

Request a Safety Seminar Presentation Today!

It is our desire to help you have a safe laboratory environment. To that end, we offer these specs and tips on glassware. Contact us with any questions or concerns.

Inspection

- Always inspect glass for scratches, abrasions, cracks or chips before using or cleaning.
- Safely dispose of any damaged glass.
- Inspect glass routinely for strain with a polariscope.

Washing/Cleaning

- Always inspect glass for chips and fractures prior to cleaning, especially any solvent or acid cleaning.
- Use Alconox or similar type detergents.
- Avoid HF, strong alkalis or abrasive cleaners.
- Distilled water rinse.

Storage

- Store glass in a manner to avoid vessels bumping each other.

Temperature, *Borosilicate Glass*

- Standard use limit: 240°C
- Maximum very short-term use: 400°C
- Maximum allowable temperature differential (ΔT) 80°C.
- Avoid rapid temperature changes or rapid thermal shock.

Heating Glass

- Common heating methods include mantles, heat tapes, guns and immersion heaters.
- Using Instatherm[®] offers more precise and efficient heating.
- Avoid direct flame as much as possible.

