

Laboratory Glassware Safety Tips

Heating Glass

- Heat with mantles, Instatherm®, heat tapes, guns or immersion heaters.
- Avoid direct flame as much as possible.
- Standard temperature limit for borosilicate glass is 240°C.

Washing/ Cleaning Glass

- 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.

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.

Storage

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

Temperature Borosilicate Glass

- Standard use limit — 240°C.
- Maximum short-term use — 490°C.
- Avoid rapid temperature changes or rapid thermal shock.



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