

Research Services Glass Wash & Autoclave Request Form

Instructions: Please use a separate Glass Wash & Autoclave Request Form for each tub. Check the appropriate service cycle and list the number of pieces to be cleaned.
 If you have any questions please call (734) 763-0773 or email researchservices@umich.edu.

Requestor Information

Name:	Date:
Lab:	Building, Room # and Bench:

<input type="checkbox"/> Glass Ware Wash Washers utilize an alkaline and/or an acid detergent for washing. Washers rinse and dry at 82°C NOTE : PETE (1) Plastics will deform at this temperature.	<input type="checkbox"/> Rinse Only <input type="checkbox"/> Light Cycle <input type="checkbox"/> Medium Cycle <input type="checkbox"/> Heavy Cycle	<input type="checkbox"/> Light Cycle w/ Acid <input type="checkbox"/> Medium Cycle w/ Acid <input type="checkbox"/> Heavy Cycle w/Acid
<input type="checkbox"/> Autoclave Standard Autoclave temperature is 121.1°C (250°F) NOTE: Only plastics PP (5) and O (7) can be autoclaved without deformation	<input type="checkbox"/> 20 Minute PreVac Cycle (NCRC Only) <input type="checkbox"/> 15 Minute Gravity (Med Center and KEC/BREHM only) <input type="checkbox"/> 30 Minute Gravity (Med Center and KEC/BREHM only)	
<input type="checkbox"/> Ethylene Oxide Sterilization Low temperature, gas sterilization for sensitive equipment. Note that the time listed is the cycle time, please allow additional time for processing.	<input type="checkbox"/> Low Temperature (48 hour cycle at 37.7°C) <input type="checkbox"/> High temperature (24 hour cycle at 54.4°C)	
Number of Pieces to be cleaned (optional)	Number of pieces returned	

Additional Comments/Notes

Upon retrieval your glassware will be inspected for damaged items. Such items will be left at your location with an explanatory note. If damage occurs while servicing the request, the service will fully pay to replace the damaged glassware. This pertains specifically to non-custom, common glassware.

Cycle Parameters for Glass Wash and Autoclave Services

Wash Cycles with Acid				
	Cycle			Temperature
	Light	Medium	Heavy	
Pre wash 1	1 minute recirculated			Cold Water
Wash 1	Alkaline detergent 20 second injection, 2 minutes recirculated	Alkaline detergent 20 second injection, 4 minutes recirculated	Alkaline detergent 20 second injection, 6 minutes recirculated	Hot Water
Wash2	Acid detergent 20 second injection, 2 minutes recirculated	Acid detergent 20 second injection, 4 minutes recirculated	Acid detergent 20 second injection, 6 minutes recirculated	Hot Water
Rinse 1	1 minute recirculated			Hot Water
Rinse 2	1 minute recirculated			Hot Water
DI Rinse 1	10 seconds, non-recirculated*			Cold, deionized water
DI Rinse 2	10 seconds, non-recirculated*			Cold, deionized water
Drying	10 minutes			180 degrees F

Wash Cycles without Acid				
	Cycle			Temperature
	Light	Medium	Heavy	
Pre wash 1	1 minute recirculated			Cold Water
Wash 1	Alkaline detergent 45 second injection, 2 minutes recirculated	Alkaline detergent 45 second injection, 4 minutes recirculated	Alkaline detergent 45 second injection, 6 minutes recirculated	Hot Water
Rinse 1	1 minute recirculated			Hot Water
Rinse 2	1 minute recirculated			Hot Water
DI Rinse 1	10 seconds, non-recirculated*			Cold, deionized water
DI Rinse 2	10 seconds, non-recirculated*			Cold, deionized water
Drying	10 minutes			180 degrees F

*non-recirculated DI water cycles not available at KEC/BREHM locations. These cycles have been replaced with 1 minute recirculated cycles at this location.

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