
	GILES CHEMICAL ~ PREMIER MAGNESIA		
	Company Procedure		
	Title: USP Centrifuge Rotor Maintenance	Number: L12-PR-100-017	
	Owner: Stephen Ballew	Revision: 0	
	Effective Date: 06/01/12	Page: 1 of 2	

1.0 Purpose

- 1.1 The purpose of this procedure is to maintain the Drucker 614B Laboratory Centrifuge Rotor in the QA Laboratory.

2.0 Scope

- 2.1 Laboratory Centrifuge Rotor Maintenance is performed bi-annually or when there is a tube breakage.

3.0 Responsibility

- 3.1 The Quality Associate is responsible for this procedure.

4.0 Safety Considerations

- 4.1 Safety is a condition of employment. Employees are not authorized to work in an unsafe manner and are prohibited from harming the environment of the facility or community.

5.0 Materials/Equipment



- 5.1 Drucker 614B Laboratory Centrifuge Rotor
5.2 Isopropyl alcohol, soap and water or bleach

6.0 Procedure for Drucker 614B Laboratory Centrifuge Rotor Maintenance (Bi-Annually or When There is a Tube Breakage):

CAUTION: *Unplug the centrifuge from the electrical outlet at this time to eliminate the possibility of electrical shock or other injury.*

6.1 To remove the rotor:

- 6.1.1 Open the lid.
6.1.2 Remove the test tube holders.
6.1.3 Remove the knob or nut in the center of the rotor by turning it counter-clockwise. A nut driver may be required.
6.1.4 The rotor is sitting on a cone-shaped adapter. Pull the rotor up and off of this adapter.
6.1.5 The rotor chamber, rotor and accessories should be thoroughly cleaned using isopropyl alcohol, soap and water, or bleach.

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6.2 To install the rotor:

- 6.2.1 Place the rotor back onto the cone-shaped adapter. You may need to turn the rotor slightly to line it up properly.
- 6.2.2 The rotor should slide onto the rotor cone freely.
- 6.2.3 Once a proper fit has been achieved, replace the rotor knob or nut and turn it until it is hand-tight.
- 6.2.4 Replace the tube holders and verify that they are seated properly.
- 6.2.5 Plug the centrifuge in to an approved electrical outlet. For electrical safety, the unit must always be properly grounded.
- 6.2.6 Spin the rotor by hand; check for free and level rotation.
- 6.2.7 Close the lid. Rotate the lid knob clockwise to its complete stop position.
- 6.2.8 Turn the centrifuge on by turning the timer to 10 minutes.
- 6.2.9 Listen to the centrifuge. A smooth whirring sound should be heard.

7.0 Reference Documents

- 7.1 *USP Centrifuge Rotor Maintenance Log* L12-PR-100-F017

8.0 Amendment Record

Revision Number	Revision Date	Revision Author	Revision Description
0	06/01/12	SB	New Document