

	Environmental Analysis Teaching and Research Laboratory	Date: 8/11/2016	Number: X
	Standard Operating Procedure	Title: MySpin12 Microcentrifuge	
	Approved By: Los Huertos	Revision Date: / /	

1. Scope and Application

1.1 The MySpin12 is a microcentrifuge designed to spin down centrifuges XX mL centrifuge tubes.

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2. Health and Safety

2.1 Improper use can result in

2.2 Spillage left unclean may pose a threat of the substance is hazardous and most important for unsuspecting individuals.

3. Personnel & Training Responsibilities

3.1 Researchers using this SOP should be trained for the following SOPs:

- SOP01 Laboratory Safety

When the training is completed, the training documentation form should be completed.

4. Required Materials

4.1. MySpin 12 (Cat #)

4.2. PPE

5. Estimated Time

5.1 The MySpin12 takes less than a minute to use, but is not designed for constant and high intensity use.

6. Procedure

6.1 Prepare ...

6.2

The relative centrifugal force (RCF) or G-force can be calculated using the following equation

$$RCF = 1.12R \cdot (RPM/1000)^2 \quad (1)$$

where R is the rotor radius, which is 55mm for the MySpin12.

Table 1: RPM to G-Force Table Conversion Reference

RPM	RCF
1000	62.7
3000	564
5000	1570
7000	3070
9000	5080
11000	7590
12500	9800

7. References

7.1 APHA, AWWA. WEF. (2012) Standard Methods for examination of water and wastewater. 22nd American Public Health Association (Eds.). Washington. 1360 pp. (2014).