



STEM CELL LABORATORY (STCL)



DOCUMENT NUMBER: STCL-EQUIP-014

DOCUMENT TITLE:

Instructions for Oxygen Depletion Alarm

DOCUMENT NOTES:

Doc reformatted.

Document Information

Revision: 02

Vault: STCL-Equipment-rel

Status: Release

Document Type: STCL-Equipment

Date Information

Creation Date: 17 May 2012

Release Date: 21 Jan 2013

Effective Date: 21 Jan 2013

Expiration Date:

Control Information

Author: WATE02

Owner: WATE02

Previous Number: 10D.551

Change Number: FRM-CCR-119

STCL-EQUIP-014

INSTRUCTIONS FOR OXYGEN DEPLETION ALARM

1 PURPOSE

- 1.1 The purpose of this procedure is to provide written instructions for the laboratory staff to address situations when the oxygen depletion alarm is sounding because it is registering outside acceptable limits.

2 INTRODUCTION

- 2.1 The alarm system continuously monitors the level of oxygen in the freezer room. The current level is shown on the red LED display. (Normal oxygen level in atmosphere is approximately 20.8 %.)
- 2.2 An alarm horn at the monitor will sound when the oxygen level falls below 19.5%. A yellow strobe light above the panel will flash, and the white strobe light in the hallway outside the room will flash. The air conditioning system will be forced wide open, or maximum air flow. In addition, a red light on the panel face will illuminate below the word "Caution".
- 2.3 If the oxygen level falls below 18.0 %, a red light on the panel face will illuminate below the word "Warning" and the red strobe light on top of the panel, as well as the one in the hall outside the room will flash. The horn will continue to sound.
- 2.4 Once the system has gone into alarm (even after the oxygen level returns to normal), it is necessary to reset the alarm panel using either the silver pushbutton in the hallway or the black pushbutton on the alarm panel face. If the alarm continues to sound, it is because the oxygen level is still below normal.

3 SCOPE AND RESPONSIBILITIES

- 3.1 It is the responsibility of the Laboratory Manager and senior staff to ensure that all alarms are investigated and problems resolved as quickly as possible in an effort to maintain a safe work environment for all laboratory staff.

4 DEFINITIONS/ACRONYMS

- 4.1 O₂ oxygen
- 4.2 LED light emitting diode

5 MATERIALS

- 5.1 N/A

6 EQUIPMENT

- 6.1 O₂ depletion alarm

7 SAFETY

- 7.1 Do **NOT** enter the room if the Oxygen Sensor is registering less than 19.5.

8 PROCEDURE

- 8.1 There is a Toxgard II Monitor Instruction manual located under the depletion alarm. If the alarm sounds, leave the room. The freezer room doors close automatically.
- 8.2 Push the "reset" button located on the wall outside the freezer room to silence the alarm. The "reset" button is located to the right of the main bulletin board in the main hallway of the Stem Cell Laboratory as you exit the freezer room.
- 8.3 Review the instruction manual and find the code that is displayed on the panel (ie. UND, LO, FLO, etc). If the code requires calibrations, etc., contact Timothy Strayhorn (or designee) by calling 681-6924.
- 8.4 If you are unable to reach Tim Strayhorn, call the maintenance department and report that there are problems with the O2 depletion alarm in the Stem Cell Laboratory located in Suite 1300 of the North Pavilion or at 2309B Pratt Street.
- 8.5 Be sure to provide them with a contact name and phone number so someone can call back to obtain additional details and provide feedback.
- 8.6 If you are unable to reach Mr. Strayhorn or the maintenance department, please call the B.A.S. (Building Automation System) by calling 681-2365 and ask them for assistance.

In Summary:

- ☐ If alarm is sounding or lights are flashing, push reset button in hall.
- ☐ If alarm horn/lights stop, it is okay to enter room.
- ☐ If alarm horn/lights continue, wait a minute or two and push reset button again.
- ☐ Do not enter room unless the display on the alarm panel is above 19.5!!
- ☐ If the problem continues, call maintenance at 694-3232.

**DO NOT ENTER THE ROOM UNLESS THE OXYGEN SENSOR IS
REGISTERING ABOVE 19.5**

9 RELATED DOCUMENTS/FORMS

9.1 N/A

10 REFERENCES

10.1 N/A

11 REVISION HISTORY

Revision No.	Author	Description of Change(s)
02	Barbara Waters-Pick	Reformatting

Signature Manifest**Document Number:** STCL-EQUIP-014**Revision:** 02**Title:** Instructions for Oxygen Depletion Alarm**STCL-EQUIP-014 O2 Depletion Alarm****Author Approval**

Name/Signature	Title	Date	Meaning/Reason
Barbara Waters-Pick (WATE02)		21 Dec 2012, 05:08:51 PM	Approved

Medical Director Approval

Name/Signature	Title	Date	Meaning/Reason
Joanne Kurtzberg (KURTZ001)		21 Dec 2012, 07:20:49 PM	Approved

QA Approval

Name/Signature	Title	Date	Meaning/Reason
Linda Sledge (SLEDG006)		23 Dec 2012, 04:21:57 PM	Approved

Document Release

Name/Signature	Title	Date	Meaning/Reason
Sandy Mulligan (MULLI026)		17 Jan 2013, 01:58:52 PM	Approved

Notification

Name/Signature	Title	Date	Meaning/Reason
Barbara Waters-Pick (WATE02)		17 Jan 2013, 01:58:52 PM	Email Sent