

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

1. Scope and Application

1.1 Hello, here is some text without a meaning. This text should show, how a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like ■Huardest gefburn■? Kjift – Never mind! A blind text like this gives you information about the selected font, how the letters are written and the impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for a special contents, but the length of words should match to the language.

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2. Health and Safety

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3. Personnel & Training Responsibilities

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Students using this SOP should be trained for the following SOPsa:

- SOP1
- SOP2

4. Required Materials

4.1 Test Soils

4.2 Solvita Jars

4.3 Individually wrapped CO2 Probes (must remain refrigerated)

4.4 AWS digital scale

5. Estimated Time

5.1 This will take XX minutes...

6. Procedure

6.1 Place a clean Solvita Jar on the scale and tare the weight of the jar

6.2 add 100g ± 5 of soil using the fill line as a guide

6.3 Unwrap and place CO2 probe in jar NOTE: Handle the probe only by the handle avoid anything from touching the gel surface.

6.4 Screw on lid tightly– and wait 24 hours record temperature and try to keep the jars at a constant temp for the duration of the test Remove lid after 24 hours

6.5 Turn on DCR Field test unit and insert probe to get CO2 color. The probe must go into the DCR with gel side up press the read button. Compare color to the visual color key.

6.6 See Table 1 below for interpretation

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).