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# Ozone Generator

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## 1 Scope and Application

The scope of this SOP is train researchers in how to effectively use the Laboratory Ozonoe Generator

As a researcher, occassions will arrise in which fabricated ozone gas must be used in order to test a hypothesis. Through using this generator, researchers can create ozone gas in small quantities, from dry air or oxygen and with negative or positive pressures.

## 2 Summary of Method

This SOP does this...

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### **3 Acknowledgements**

### **4 Definitions**

Term1: is...

### **5 Operation**

In order to operate the ozone generator there are several procedures that must be followed.

- 1. Electrically connect the unit to the mains supply utilising the cable supply lead supplied with the unit.
- 2. Start feeding gas through the generator and set the generator to the required flowrate.
- 3. Depress the main ON-OFF switch on the generator front panel which will illuminate indicating that ozone gas is being produced.
- 4. Set the variable control knob to the output required by utilising the output graphs included in this manual.
- 5. The unit takes ten minutes initially to reach its normal operating temperature and output.
- NOTE: The red FAULT indicator will illuminate briefly after pressing the main ON-OFF switch due to the fractional delay in the power board relays latching.

### **6 Biases and Interferences**

Biases and interferences can come from...

### **7 Health and Safety**

Describe the risk...

#### **7.1 Safety and Personnel Protective Equipment**

### **8 Personnel & Training Responsibilities**

Researchers training is required before this the procedures in this method can be used...

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

- SOP01 Laboratory Safety
- SOP02 Field Safety

## **9 Required Materials and Apparati**

Item 1 w/catalog number!  
Item 2

## **10 Reagents and Standards**

## **11 Estimated Time**

This procedure requires XX minutes...

## **12 Sample Collection, Preservation, and Storage**

## **13 Procedure**

Prepare ...

## **14 Data Analysis and Calculations**

## **15 QC/QA Criteria**

## **16 Trouble Shooting**

## **17 References**

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