



**STANDARD OPERATING PROCEDURE**

<b>Department:</b> Quality Control	<b>SOP No.:</b>
<b>Title:</b> Operation and Calibration of Oxymeter	<b>Effective Date:</b>
<b>Supersedes:</b> Nil	<b>Review Date:</b>
<b>Issue Date:</b>	<b>Page No.:</b>

**1.0 OBJECTIVE:**

To lay down a procedure for Operation and Calibration of Oxymeter.

**2.0 SCOPE:**

This SOP is applicable for Operation and Calibration of Oxymeter used for determination of Oxygen Concentration in Nitrogen.

**3.0 RESPONSIBILITY:**

Officer, Executive – Quality Control.

Head – Quality Control

**4.0 PROCEDURE:**

4.1 Switch on the instrument.

4.2 Wait, till the reading on the screen stabilizes near 20.9.

4.3 If the reading does not show the above reading, adjust the reading with the help of screwdriver.

4.4 Open the nitrogen gas with the help of opening valve and allow flushing out the gas for 10-15 seconds.

4.5 Connect the inlet tubing port with the user point of nitrogen gas.

4.6 Allow to flow the gas into the instrument for 4-5 minutes.

4.7 Wait for some time to stabilize the reading. Note down the reading .The instrument shows percentage of oxygen in the nitrogen gas.

**4.8 Calibration**

Expose the cell holder assembly to fresh air or educt fresh air with the aspirator bulb provided, then with the screwdriver provided turn the 'CAL' potentiometer slowly, So as to make the LCD display 20.9%.

Note: Replace the battery when low voltage sign is displayed.

Replace the sensor when the calibration is not achieved, even after Screw adjustment.



**PHARMA DEVILS**  
QUALITY CONTROL DEPARTMENT

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**5.0 ANNEXURE (S):**

Nil

**6.0 REFERENCE (S):**

SOP: Preparation, approval, distribution control, revision and destruction of Standard Operating Procedure (SOP).

**7.0 ABBREVIATION (S)/DEFINITION (S):**

SOP: Standard Operating procedure.

**REVISION CARD**

S.No.	REVISION No.	REVISION DATE	DETAILS OF REVISION	REASON (S) FOR REVISION	REFERENCE CHANGE CONTROL No.
1	00	----	----	New SOP	----