

 <p>BLDEA'S Shri Sanganabasava Mahaswamiji College of Pharmacy & Research Centre Vijayapur 586103</p>	DEPT. : PHARMACEUTICAL QUALITY ASSURANCE INSTRUMENT NAME – CONDUCTIVITY METER MAKER – METZER BIOMEDICAL MODEL – 490 PROCURED DATE - 01-03-1993	SOP NO.: BCP/CIL/SOP/0 02
	SUBJECT: SOP FOR CONDUCTIVITY METER	PAGE NO.: 1-2 EFFECTIVE DATE: 01/01/2022 REVIEW PERIOD: 31/12/2022

SOP FOR CONDUCTIVITY METER

- ✓ **PURPOSE:** To lay down the procedure to perform the Operation and Calibration of the Conductivity meter.
- ✓ **OBJECTIVES:** To lay down the procedure for operation and calibration of the conductivitymeter for better and error free use.
- ✓ **SCOPE:** It is applicable to the Instruments installed in the Quality control department.
- ✓ **PRECAUTIONS:**
 - Check that there is no other display of letters on the LCD. If the display of LO appears at the corner batteries should be replaced.
 - The electrode should be kept for a long time in distilled water solution.
- ✓ **Standard Operating Procedure:**
 - Switch on the main supply and press the ON/OFF button of the conductivity meter to switch on the meter and switch off the meter.
 - For automatic temperature compensation (ATC). Simply attach the conductivity \TDS electrode to the meter ensure that the ATC mode hasbeen selected in the setup menu The ATC indicator will light on the LCD.
 - Note: If the conductivity /TDS electrode is not properly attached to the meter or it has been damaged, the ATC indicator will blink and thetemperature display will show “Ur”.
 - Rinse the electrode with de-ionized or distilled water before use to remove any impurities adhering to the electrode body. Shake or air dry. Toavoid contamination or dilution of your sample rinse the electrode with the small volume of your sample.

- Press ON to switch on the meter.
- Dip the electrode into the sample.
- When dipping the electrode into the sample, take care to ensure that the liquid level is above its upper steel band. Stir the electrode gently in the sample to create a homogeneous sample.
- Allow time for the reading to stabilize. Note the reading on the display

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