1. **PURPOSE:**

To describe the procedure for calibration of Charging tank / Receiving tank / Holding tank / Storage tank.

1. **SCOPE:**

This procedure applies to all Charging tanks / receiving tanks / holding tanks / storage tanks used in the Manufacturing and Storage area at Discovery Laboratories Pvt. Ltd.

1. **RESPONSIBILITY:**
   1. The responsibility of engineering department is to perform the calibration.
   2. The responsibility of user department is to ensure calibration activity.
2. **DEFINITION:**

Nil

1. **PROCEDURE:**
   1. The calibration of Charging tank/receiving tank/holding tank/ storage tank includes only one parameter, namely Volume **‘V’.**
   2. Using a measuring tape, take the circumference (C) of the Charging tank / Receiving tank / Holding tank / Storage tank
   3. To calculate the radius (r) of the tank, consider the following formulae:
   4. Now measure the height ‘h’ of the tank using the measuring tape.
   5. To calculate the Volume **V,**  consider the following formula

**V =** πr2h

(Insert the value of ‘r’ from the above calculation and ‘h’ is measured, into the formula.)

1. **FORMATS / ANNEXURE(S):**
   1. Charging tank/receiving tank/holding tank calibration Record : ED023-FM065
   2. Calibration chart along with conversion factor for charging tank/receiving tank/holding tank/storage tank : ED023-FM066
2. **CHANGE HISTORY:**

| **Revision No.** | **Effective Date** | **Details of Revision** | **Ref CCF No.** |
| --- | --- | --- | --- |
| 00 |  | New SOP introduced. | -- |