Discovery Labs	STANDARD OPERATING PROCEDURE			
	SOP No.:	SOP-ED-023-00	Effective Date:	
	Supersedes :	Nil	Next Review Date:	
	Department:	Engineering	Page:	1 of 2
TITLE: PROCEDURE FOR CALIBRATION OF CHARGING TANK / RECEIVING TANK / HOLDING TANK / STORAGE TANK				

1.0 PURPOSE:

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

2.0 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.

3.0 RESPONSIBILITY:

3.1 The responsibility of engineering department is to perform the calibration.

3.2 The responsibility of user department is to ensure calibration activity.

4.0 DEFINITION:

Nil

5.0 PROCEDURE:

5.1 The calibration of Charging tank/receiving tank/holding tank/ storage tank includes only one parameter, namely Volume **'V'.**

5.2 Using a measuring tape, take the circumference (C) of the Charging tank / Receiving tank / Holding tank / Storage tank

5.3 To calculate the radius (r) of the tank, consider the following formulae:

$C = 2\pi r$

$r = \frac{C}{2\pi}$

5.4 Now measure the height 'h' of the tank using the measuring tape.

5.5 To calculate the Volume **V,** consider the following formula

$\mathbf{V} = \pi r^2 h$

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

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6.0 FORMATS / ANNEXURE(S):

6.1 Charging tank/receiving tank/holding tank calibration Record : ED023-FM065

6.2 Calibration chart along with conversion factor for charging tank/receiving tank/holding tank/storage tank : ED023-FM066

7.0 CHANGE HISTORY:

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

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