 Discovery Labs	<b>STANDARD OPERATING PROCEDURE</b>			
	SOP No.:	SOP-ED-018-01	Effective Date:	17.08.2017
	Supersedes :	SOP-ED-018-00	Next Review Date:	16.08.2020
	Department:	Engineering	Page:	1 of 2
<b>TITLE: OPERATING PROCEDURE FOR CHILLING PLANT</b>				

## 1.0 PURPOSE:

To describe a procedure for operation of Chilling plant.

## 2.0 SCOPE:

This procedure is applicable to operation of Chilling plant at Discovery Laboratories Pvt. Ltd.

## 3.0 RESPONSIBILITY:

### 3.1 Electrician

Is the responsible to operate Chilling plant

### 3.2 Engineer:


Is responsible to monitor the activity

## 4.0 DEFINITIONS: NIL

## 5.0 PROCEDURE :

- 5.1 Ensure that the RT water circulation is available to condenser
- 5.2 Ensure that the Brine solution level in brine storage tank
- 5.3 Check the specific gravity of Brine solution.
- 5.4 Open the inlet and outlet valves of condenser and chiller respectively.
- 5.5 Ensure that the Freon gas in the compressor by checking the suction pressure
- 5.6 Check the oil level in the compressor if require make up oil
- 5.7 Switch on the condenser pump, chiller pump and check the pressure across the condenser and chiller. (Pressure should be 1.5 to 2 kg/cm<sup>2</sup>)
- 5.8 Open the discharge and suction valves of the compressor.
- 5.9 Switch on the compressor main switch.
- 5.10 Check the suction, discharge and oil pressure of the compressor.

	<b>Prepared by</b>	<b>Reviewed by</b>	<b>Approved by</b>
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5.11 Whenever the brine reaches required temperature start the secondary pump and give it to the process.

## 6.0 FORMATS / ANNEXURE(S): NIL

## 7.0 CHANGE HISTORY:

Revision No.	Effective Date	Details of Revision	Ref. CCF No.	Remarks
00	01.01.2017	New SOP	ED-CRF-006/16	---
01	17.08.2017	1. SOP format changed in line with SOP-QA-001-05.	CCF/GEN/17007	--

	Prepared by	Reviewed by	Approved by
Sign & Date			
Name	Ch. Shankar	M. Ramesh	Ch. Mahendar Reddy
Department	Engineering	Engineering	Quality Assurance