 Discovery Labs	STANDARD OPERATING PROCEDURE			
	SOP No.:	SOP-PD-032-03	Effective Date:	01.01.2018
	Supersedes:	SOP-PD-032-02	Next Review Date:	31.12.2020
	Department:	Production	Page:	1 of 2
TITLE: NUTSCHE FILTER OPERATION				

1.0 PURPOSE:

To explain how to handle Nutsche Filter.

2.0 SCOPE:

This procedure is applicable during the operation of Nutsche Filter at Discovery.

3.0 RESPONSIBILITY:


It is the responsibility of the person operating to follow this procedure as written in this SOP

4.0 DEFINITIONS: Nil

5.0 PROCEDURE :

- 5.1 Check the Nutsche Filter condition from inside.
- 5.2 If filter condition is good check the filter bag for the given product to be filtered.
- 5.3 Fit the Nutsche filter and its bag properly
- 5.4 Set the cloth in a curved manner such that no leakage takes place.
- 5.5 As per process if hyflow is required for filtration make the hyflow slurry with Suitable media in a clean open carboy.
- 5.6 Charge the slurry into the Nutsche filter and distribute evenly.
- 5.7 Apply mild vacuum to set the bed properly.
- 5.8 If there are any cracks on the bed press with the help of scoop.
- 5.9 Remove the vacuum slowly.
- 5.10 Unload the media from the Nutsche filter.
- 5.11 Close the bottom valve of the Nutsche and charge the mass for filtration.
- 5.12 Apply vacuum slowly (Vacuum should be applied gradually and to be removed slowly, vacuum shocks are not advisable).
- 5.13 Frequently stop the vacuum and unload the filtrate from Nutsche filter /receiver.
- 5.14 It will help to prevent the material loss vacuum.

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5.15 After filtration, finally apply full vacuum to the Nutsche to suck the filtrate.

5.16 Empty out the material from Nutsche and from Receiver.

6.0 FORMATS / ANNEXURE(S): Nil.

7.0 CHANGE HISTORY:

Revision No.	Effective Date	Details of Revision	Ref. CCF No.
00	01.01.2011	New SOP is introduced	----
01	01.06.2014	Revised as per current SOP No system & more clear and clarity	----
02	01.01.2017	Procedure elaborated and SOPs PD-016, PD-022 and PD-026 are merged in this SOP.	PD-CRF-024/16
03	01.01.2018	1. SOP format changed make to inline with SOP-QA-001-05. 2. In Revision No 02 Change History typographical error was rectified.	CCF/GEN/17035

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