iGEM 2017 – Microbiology – BMB – SDU

Title: Speedy Vac **SOP number:** SOP18 **Version number:** 02	**Date issued:** 2013.07.04 **Review date:** 2017.05.09 **Original by:** SIS **Modified by:** EG

1. Purpose

To concentrate liquid samples

2. Area of application

This procedure is valid for all liquid samples

3. Apparatus and equipment

Apparatus/equipment	Location (Room number)	Check points	Criteria for approval/rejection
Compressor	V16-507-1	●	
Speedy Vac, Hetovac	V16-507-1	● Remember to fill in air before opening	

4. Materials and reagents – their shelf life and risk labelling

Name	Components (Concentrations)	Manufacturer / Cat. #	Room	Safety considerations
Sample for concentration	N/A			

5. QC – Quality Control

6. List of other SOPs relevant to this SOP

7. Environmental conditions required

8. Procedure

1. Turn on the compressor
2. Put the samples in the Speedy Vac with open lid (remember a counterweight)
3. Close the lid on the Speedy Vac
4. Press run
5. Vacuum the Speedy Vac by slowly turning the upper green switch to the mark.
6. Turn on heat if needed.
7. When the Speedy Vac has run for the appropriate time, the vacuum is closed by turning the upper green switch back to start position so air again enters the Speedy Vac
8. Turn of heat if on.
9. Turn off the Speedy Vac, when it has stopped entering air
10. Open the speedy vac and take out the samples
11. Turn off the compressor. (DO NOT TURN OFF IF THE GEL DRYER IS IN USE!)
12. Wipe off the chamber
13. Once in a while empty the waste can.

9. Waste handling

Chemical name	Concentration	Type of waste (C, Z…)	Remarks
PCR and USER enzyme	N/A	GMO waste (yellow bags)	

10. Time consumption

- Total-time: 17 min.
- Hands-on-time: 2 min.

11. Scheme of development

Date / Initials	Version No.	Description of changes
13.07.04 / SIS	01	The SOP has been written
17.05.09 / EG	02	The SOP has been modified
17.05.11 / SJ	02	The SOP has been approved

12. Appendices