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Title: Use and Maintenance of the Glas-Col Homogeniser.

Version: v2

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SOP History		
Number	Date	Reason for Change
v1	21/11/2013	Original
V2	21/11/2018	Update

1.0 Purpose –

The purpose of this SOP is to outline the principles of the routine use of the Glas-Col Homogeniser in Laboratory 248 at the St Andrews School of Medicine (SASoM).

2.0 Scope –

This SOP applies to routine use and maintenance of the Glas-Col Homogeniser within the SASoM.

3.0 Responsibilities –

It is the responsibility of all users of the Glas-Col Homogeniser within the SASoM to comply with this SOP.

4.0 Procedure –

Connect motor to power pack. Insert Pestle into the headstage and ensure that it is securely locked. This is achieved by turning the two discs that hold the pestle rod in opposite directions, the top disc turns in an anti-clockwise direction and the bottom disc in a clockwise direction. The maximum diameter of the pestle rod is 16mm.

When ready to homogenise, insert the pestle into the glass mortar containing the sample that you wish to homogenise. Choose an appropriate sized pestle and mortar. Make sure that the mortar is not more than 2/3 full but that the pestle head can be completely immersed in the sample.



Switch on the motor. Speed and direction of rotation can be adjusted as required.

Once you have finished homogenising, turn the motor off and carefully remove pestle from the mortar. Wash pestle with detergent and rinse well with distilled water.

If using this equipment in the cold room, leave pestle and mortar in the cold room 1 hour before use, to ensure that they are cooled.

5.0 Personal protection –

Howie coat must be worn at all times.

6.0 Training –

All users have to be trained before using the Instrument by a designated person.

7.0 Related documents –

- 7.1 Instrument Manual
- 7.2 Risk Assessments - RA/GEN/020 (Mechanical Homogenisers)



8.0 Approval and sign off –

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