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Title: Use of the Qubit 4 Fluorometer

Version: v1

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SOP History		
Number	Date	Reason for Change
v1	01/12/2020	Original

1.0 Purpose –

The purpose of this SOP is to outline the principles of the routine use of the Qubit 4 Fluorometer in Laboratory 248 at the St Andrews School of Medicine (SASoM).

2.0 Scope –

This SOP applies to routine use and maintenance of the Qubit 4 Fluorometer within the SASoM.

3.0 Responsibilities –

It is the responsibility of all users of the Qubit 4 Fluorometer within the SASoM to comply with this SOP. All damage to or misuse of the equipment must be reported immediately.



4.0 Procedure –

1. Turn on Qubit™ 4 using the power switch on the side of the instrument.
2. Select the desired program, there is a range to choose from – each of them requires a specific kit that can be purchased from ThermoFisher.
3. Follow the procedures for each assay as described by the manufacturer or relevant SOPs.
4. When instructed to read standards / samples, open the lid, place the tube that contains the appropriate solution, close the lid and read.
5. Repeat for all standards and samples.

To export data

1. Insert a USB drive in the port at the rear side.
2. Click on “Data” on the main screen.
3. Select the files and click export.
4. USB status should indicate “connected”, click on that option and it will export the data.

5.0 Personal protection –

A Howie coat must be worn at all times. Gloves as specified in the appropriate risk assessment must be worn if required.

6.0 Spillages –

Always clean up any spills immediately after use - only you know what you have spilt and are aware of its hazard. Spillages should be mopped up with paper towel, disinfected with 70% ethanol and finally washed with detergent.

7.0 Training –

All staff should undergo training of this equipment before using it alone.

8.0 Related documents –

- 8.1 Please consult the online manual for further information.
https://assets.thermofisher.com/TFS-Assets/LSG/manuals/MAN0017209_Qubit_4_Fluorometer_UG.pdf

A copy of the manual is also held on the server (GLP-FREE ACCESS/Manuals).



9.0 Approval and sign off –

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Signature: Date: 01/12/2020

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