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FCMPASS - Cataloguing fluorescence reference materials

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ABSTRACT

This protocol outlines the steps required to catalogue fluorescence reference materials using the FCMPASS software. This is one of a number of protocols in the pipeline for performing small particle calibration using the fcmpass software package.

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PROTOCOL CITATION

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KEYWORDS

fcmpass, flow cytometry, calibration, EVs

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CREATED

Jun 24, 2020

LAST MODIFIED

Aug 03, 2020

PROTOCOL INTEGER ID

38549

PARENT PROTOCOLS

In steps of

[FCMPASS Protocol Collection](#)

MATERIALS TEXT

FCMPASS software can be accessed at <https://nanopass.ccr.cancer.gov>.

DISCLAIMER:

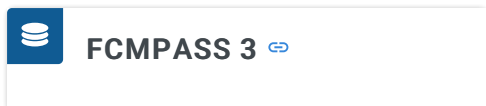
This protocol summarizes key steps for a specific type of assay, which is one of a collection of assays used for EV analysis in the NCI Translational Nanobiology Section at the time of submission of this protocol. Appropriate use of this protocol requires careful, cohesive integration with other methods for EV production, isolation, and

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- 2 Click 'Catalogue' in the top menu bar
- 3 Under the 'Fluorescence' tab entry fields exist for each of the pertinent metadata for reporting with fluorescence calibration.
 - 3.1 Enter the name of the fluorophore on the fluorescence reference beads.
 - 3.2 Enter the manufacturer, catalogue number, and lot number fields appropriately.
 - 3.3 In the 'Bead Ref Values' field enter each fluorescence beads reference values. This may be in molecules of equivalent soluble fluorophore, equivalent reference fluorophore, or antibody binding capacity.
 - 3.4 After each reference value click the '+' button.
 - 3.5 Once all fields and reference values have been added click 'Create Set'. The beads will then appear on the table below and will be available for selection when performing fluorescence calibration.