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FCMPASS - Performing and reporting calibration

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1 Works for me dx.doi.org/10.17504/protocols.io.bhv2j68e

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ABSTRACT

This protocol outlines the steps required to calculate the calibration parameters and convert fcs files 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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KEYWORDS

fcmpass, flow cytometry, calibration, EVS

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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 characterization. By using the FCMPASS software you agree to the following terms and conditions.

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1 Upon completing fluorescence and/or light scatter calibration steps click the ‘Calibrate’ button.

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2 The FCMPASS software will now perform fluorescence and light scatter calibration. An FCMPASS export folder will be created in the directory from which the fcs files were imported. This folder will contain calibrated fcs files, a MIFlowCyt-EV report with fields relevant to fluorescence and light scatter calibration complete and supplementary sheets for reproducing the calibration. A calibration output report file will also be generated that contains the relevant figures to support the fluorescence calibration and light scatter calibration that was performed. All of these files should be kept together when shared.

3 The remaining fields within the MIFlowCyt-EV report should be completed as recommended in the associated position paper.

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