

Apr 08, 2025

Flow Cytometry

 In 2 collections

DOI

<https://dx.doi.org/10.17504/protocols.io.kqdg3k5b7v25/v1>

Lucas Blasco-Agell^{1,2}, Meritxell Pons-Espinal^{1,2}, Angel Raya^{1,2}, Antonella Consiglio^{1,2}, Miquel Vila³

¹Department of Pathology and Experimental Therapeutics, Bellvitge University Hospital- IDIBELL, 08908 Hospitalet de Llobregat, Spain;

²Institute of Biomedicine of the University of Barcelona (IBUB), Carrer Baldori Reixac 15-21, Barcelona 08028, Spain.;

³VHIR-CIBERNED-ASAP

Vilalab Public



Miquel Vila

VHIR-CIBERNED-ASAP

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.kqdg3k5b7v25/v1>

Protocol Citation: Lucas Blasco-Agell, Meritxell Pons-Espinal, Angel Raya, Antonella Consiglio, Miquel Vila 2025. Flow Cytometry. protocols.io <https://dx.doi.org/10.17504/protocols.io.kqdg3k5b7v25/v1>

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: April 01, 2025

Last Modified: April 08, 2025

Protocol Integer ID: 125892

Keywords: flow cytometry

Funders Acknowledgements:

ASAP

Grant ID: ASAP-020505

Abstract

Flow Cytometry

Cells preparation

- 1 Cells are detached and centrifuged at 300xg for 10 minutes
- 2 Pellet is incubated with 1:50 conjugated antibody in MACS buffer for 15 minutes protected from the light
- 3 Cold MACS buffer is added
- 4 Cells are centrifuged at 300xg for 10 minutes
- 5 Cell pellet is resuspended in cold MACS buffer and incubated with 1:500 of Propidium iodide at RT for 5 minutes to determine cellular viability of the culture. Unstained cells are used as negative controls.

Staining and Fluorescence Analysis

- 6 Analyzes of staining percentage and fluorescence intensities are done with Kaluza software (Beckman Coulter Life Sciences).