

GEMSTONE Dye Protocol

Introduction

Useful for flow cytometry; labeling OMVs

Materials

- › OMVs
- › Labeling Dye
- › Incubator
- › ExoQuick-TC
- › Eppendorf Tube
- › PBS
- ›

Procedure

1. Resuspend 200 - 500ug protein equivalent of OMVs in 500uL PBS
2. Add 1uL of the 500X or 2.5uL of the 250X labeling dye to the OMV preparation and incubate at 37degC with shaking for 20 minutes
3. Add 167uL ExoQuick-TC to the solution and incubate at 4deg C for 2h-overnight
4. Spin the eppendorf tube at 10000rpm for 10 minutes
5. Carefully aspirate the supernatant from the corner of the tube
6. Resuspend the OMV pellet in 500 uL PBS and proceed with downstream applications