




Sep 05, 2022

Fluo-3-AM Assay

Thermo Fisher¹¹Fluo Calcium Indicators*In Development* Share

This protocol is published without a DOI.

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ABSTRACT

determine the intracellular Ca²⁺ concentration of your cells via a fluorescence marker

PROTOCOL CITATION

Thermo Fisher 2022. Fluo-3-AM Assay. **protocols.io**
<https://protocols.io/view/fluo-3-am-assay-cf6qtrdw>



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- 1 dilute the DMSO stock solution (1-5mM) to 1-5μM in the buffered physiological medium of choice
- 2 Pluronic F-127 may be added to a concentration of **[M]0.02 % volume**
- 3 mix in an aliquot of Fluo-3-AM stock solution to a concentration of **[M]4 micromolar (μM)**
- 4 incubate an aliquot of the cells with Fluo-3-AM for **🕒01:00:00** at **🌡20 °C - 🌡37 °C** ^{1h}
- 5 wash the cells in indicator-free medium and incubate the cells for another **🕒00:30:00** ^{30m} in dye-free medium
- 6 measure fluorescence at Ex/Em = 506/526 with a microplate reader