

Fura-2 iCa⁺⁺

Method:	Fura-2 AM Ratiometric fluorescence measurement of intracellular Ca ⁺⁺ .
Vendor:	Invitrogen, Fura2-AM F1221
Description:	This service provides direct, real-time analysis of iCa signaling using the Ca-sensitive fluorophore Fura2-AM (provided by the Core). Cells are pre-labeled with Fura-2-AM for 60 minutes. The plates are then placed in the PerkinElmer Envision plate reader, and ratiometric fluorescence (Ex1 = 340 nm; Ex2 = 380 nm; Em= 515 nm), in the absence or presence of a test ligand or control reagent, is measured for several minutes thereafter. Costs are based on the Fura2-AM and other Core reagents consumed.

Samples and Assay and Performance Characteristics

Sample type:	Submissions should be living cells in fresh culture medium in 96-well black plates.
Notes:	Contact Core to arrange sample submission and assay.

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