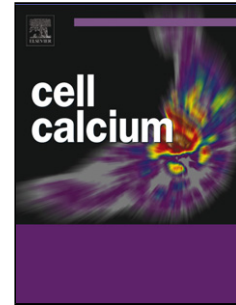


Accepted Manuscript

Title: A Simple End-point Assay for Calcium Channel activity

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A Simple End-point Assay for Calcium Channel activity

Running Title: *End-point assay for Calcium Channels*

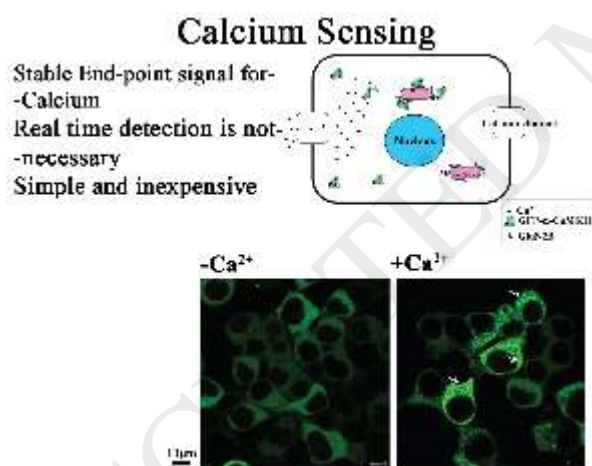
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Graphical abstract



Highlights:

1. Novel end-point detection based method for intracellular calcium sensing
2. Technically simple to perform, less expensive and adaptable to high throughput
3. Signal shows quantitative relationship to cellular calcium concentration
4. Utility demonstrated by detecting activities of multiple calcium channels
5. Calcium sensor vector and stable cell line with calcium sensor proteins developed

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