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LysoTracker and MitoTracker Staining

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Protocol status: Working

We use this protocol and it's working

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Abstract

Protocol for staining live cells with commercially available dyes

MitoTracker Staining

- 1 Prepare fresh Astrocyte Media (AM ScienCell 1801) with 100nM of MitoTracker DeepRed (Thermo Scientific M22425)
- 2 Replace media on cells with media containing MitoTracker
- 3 Incubate for 30 min at 37°C
- 4 During incubation, prepare fresh AM media with Hoechst 33342 (Thermo Scientific 62249)
- 5 Replace the MitoTracker media with Hoechst 33342 media
- 6 Incubate for 10 min at 37°C
- 7 Wash 1x with PBS
- 8 Add fresh AM media and image cells

LysoTracker Staining

- 9 Prepare fresh Astrocyte Media (AM ScienCell 1801) with 100nM of LysoTracker DeepRed (Thermo Scientific L12492) and Hoechst 33342 (Thermo Scientific 62249)
- 10 Replace media on cells with media containing LysoTracker and Hoechst 33342
- 11 Incubate for 10 min at 37°C
- 12 Wash 1x with PBS



13 Add fresh AM media and image cells