

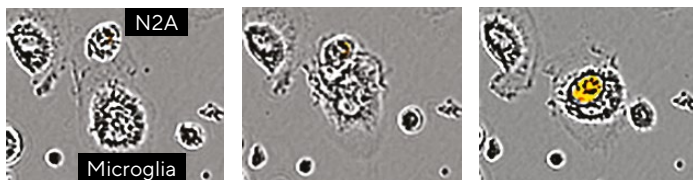
# Efferocytosis

pHrodo<sup>®</sup> Cell Labeling Kits for Incucyte<sup>®</sup> are formulated for long-term and sensitive analysis of phagocytosis of dead, apoptotic or antibody-targeted cells over time.

- Study the model of your choice over time with specific and sensitive reagents paired with simple mix-and-read 96 / 384-well protocols
- Quantify antibody-dependent cellular phagocytosis (ADCP) with the addition of antibodies (e.g., anti-CD-47)
- Confirm phagocytosis signals using HD phase-contrast and fluorescent images

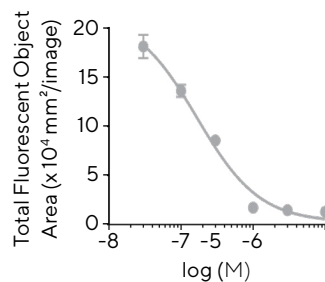
## Application Spotlight: Efferocytosis Assay

Observe and measure efferocytosis over the entire assay time course using your choice of target cells labeled with pHrodo<sup>®</sup> Orange Cell Labeling Dye for Incucyte<sup>®</sup>.

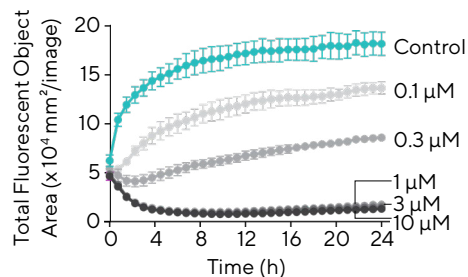


Time-lapse visualization of iPSC-derived microglia (Axol BioSciences) engulfing pHrodo<sup>®</sup> Orange-labeled apoptotic Neuro-2A (N2A) cells. Images verify the entry of an apoptotic target cell into the cytoplasm of the microglia. Inhibition of this engulfment by cytochalasin D was quantified based on orange fluorescence object area over the course of the experiment.

Cytochalasin D IC<sub>50</sub>



Inhibition of Efferocytosis With Cytochalasin D



## Ordering Information

	Product	Description	Cat. No.	Instrument Compatibility
pHrodo <sup>®</sup> Cell Labeling Kits	Fluorescent dyes label whole cells with a pH-sensitive fluorophore for real-time analysis of efferocytosis and antibody mediated cellular phagocytosis.			
	pHrodo <sup>®</sup> Orange Cell Labeling Kit for Incucyte <sup>®</sup>	One kit	4766	SX5
	pHrodo <sup>®</sup> Red Cell Labeling Kit for Incucyte <sup>®</sup>	One kit	4649	SX5 (configured with Green/Red Optical Module), S3, SX1