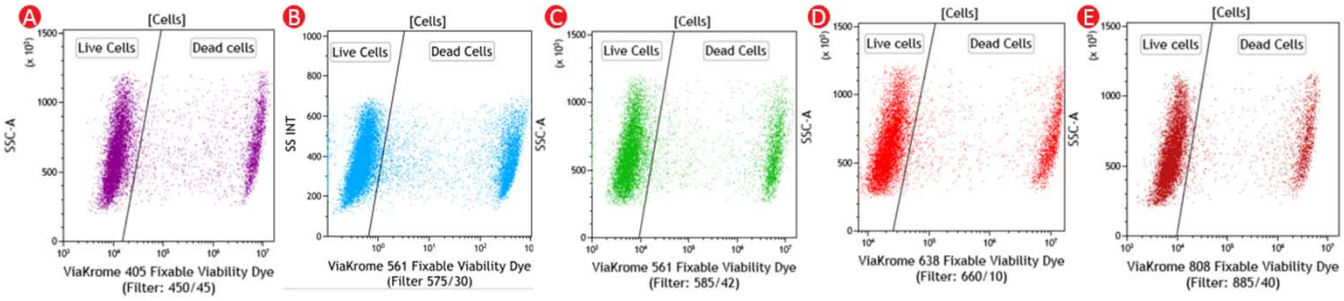
Introducing ViaKrome Fixable Viability Dyes From Beckman Coulter

ViaKrome™ Fixable Viability Dyes provide consistent discrimination of dead cells in a robust procedure. These new thiol reactive fluorescent dyes are soluble in aqueous buffer, do not require DMSO for reconstitution, and exhibit bright staining in whole blood samples. They are offered in a range of colors to provide flexibility for multicolor panel design.

SWITCH TO ViaKrome FVD

- Not susceptible to hydrolysis like NHS ester-based dyes
- Soluble in PBS, does not require DMSO
- Exhibits bright staining, high signal to noise
- Staining remains consistent over time
- Range of dyes excitable by common lasers, provides flexibility for panel design

Part Number	Reagent	Excitation/ Emission (nm)	Excitation Laser (nm)	Suggested Bandpass
C36614	ViaKrome 405	401/420	Violet 405	450/45
C36620	ViaKrome 561	555/565	Blue 488	585/42
C36620	ViaKrome 561	555/565	Yellow Green 561	585/42
C36624	ViaKrome 638	638/655	Red 638	660/20
C36628	ViaKrome 808	854/878	Infrared 808	885/40



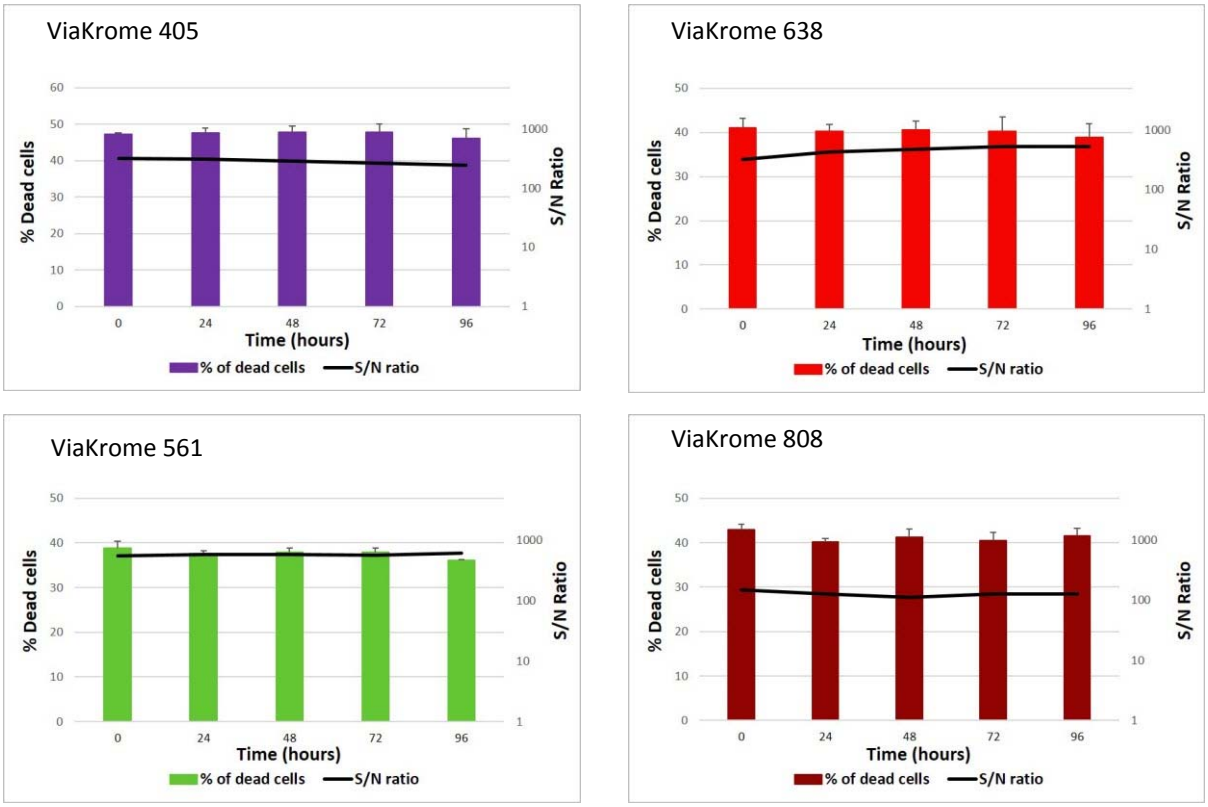
Representative Staining using ViaKrome Fixable Viability Dyes. Bi-parametric representation (Side scatter versus Fluorescence intensity) of the staining of a mixture untreated cells (Live Cells) and heat-treated Jurkat cells (Dead Cells). Emission was detected via the indicated bandpass filter. ViaKrome 405 Dye was excited with the Violet laser (405 nm), panel A, ViaKrome 561 Dye excited with a Blue laser (488 nm), panel B Yellow Green laser (561 nm), panel C, ViaKrome 638 Dye was excited with the Red laser (638 nm), panel D, and ViaKrome 808 was excited with the Infrared laser (808 nm), panel E.

Beckman.com/cell-health

Every Event Matters.

Reagent Stability in PBS at 18 – 25 °C

% Staining and Signal-to-Noise



Stock Solution Stability. The indicated ViaKrome Fixable Viability Dye was reconstituted in PBS and used immediately (0 hours) or stored at 18-25 °C for the indicated time up to 4 days (96 hours). A mixture of Jurkat cells and heat stressed (55 °C for 10 minutes) Jurkat cells were stained and data were acquired on the CytoFLEX LX Flow Cytometer. The graph shows the percentage of dead cells (bars) and the signal to noise ratio (line) for each time point. Both measures remain consistent over the period studied.

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