ANNEXIN V SELECTION GUIDE

Fluorophore	Laser	Ex (nm)	Em (nm)	Brightness
Annexin V-Alexa Fluor® 350	350	343	441	2
Annexin V-iFluor® 350	350	345	450	3
Annexin V-iFluor® 488	488	491	516	9
Annexin V-FITC	488	491	516	7
Annexin V-Alexa Fluor® 488	488	499	520	8
Annexin V-TRITC	532	544	570	1
Annexin V-Cy3	561	555	569	1
Annexin V-iFluor® 555	561	557	570	8
Annexin V-iFluor® 594	561	587	603	6
Annexin V-Alexa Fluor® 594	561	590	618	4
Annexin V-iFluor® 633	640	640	654	10
Annexin V-iFluor® 647	640	656	670	6
Annexin V-Cy5	640	656	670	6
Annexin V-iFluor® 680	640	684	701	3
Annexin V-Cy5.5	640	684	701	3
Annexin V-iFluor® 700	640	690	713	4
Annexin V-Cy7	750	756	779	10
Annexin V-iFluor® 750	750	757	779	5

* Brightness scale is 1 (dimmest) to 10 (brightest), as a comparison of all included dyes. Brightness is computed as a function of extinction coefficient, quantum yield and correction factor. Experimental brightness additionally dependent upon DOL of reagent used.

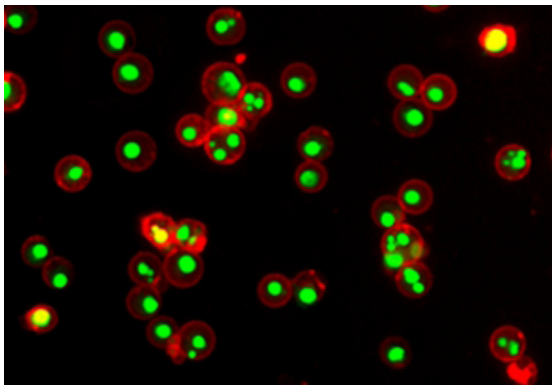

Figure 1. Jurkat cells were treated with 1 µM staurosporine for 4 hours to induce apoptosis. Following treatment, cells were stained with Annexin V-iFluor® 555 conjugate (Cat No. 20072). Nuclei were labeled with Nuclear Green™ DCS1 (Cat No. 17550). Images were acquired on a confocal microscope.

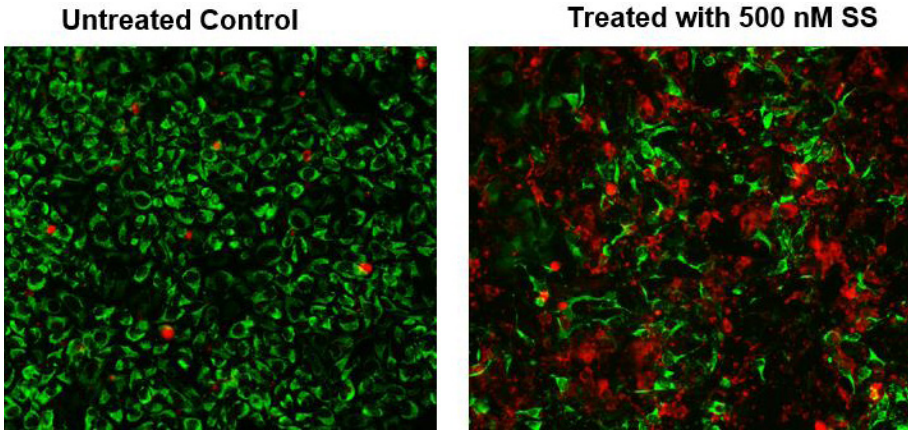

Figure 2. Fluorescence images of HeLa cells. Cells were treated with (Right) or without (Left) 500 nM staurosporine (SS) at 37 oC for 4 hours. Cells were then incubated with Annexin V-Cy5.5 conjugate (Red) and measured using fluorescence microscope with a Cy5 filter. Viable cells were labeled with Cellbrite™ Orange (Shown as Green).