



FineTest®

Annexin V-FITC/PI Apoptosis Kit



Cat NO.	Product Name	Size
K018	Annexin V-EGFP/PI Apoptosis Kit	20T/50T/100T
K019	Annexin V-FITC/PI Apoptosis Kit	20T/50T/100T

Advantages

01 High Accuracy

No need to fix the cell samples, which can effectively avoid false positives, and the negative-positive grouping is more significant.

02 Excellent Stability

Stored at 2-8 °C for 12month, the activity of the kit can maintain 98%.

03 Rapid Experiment

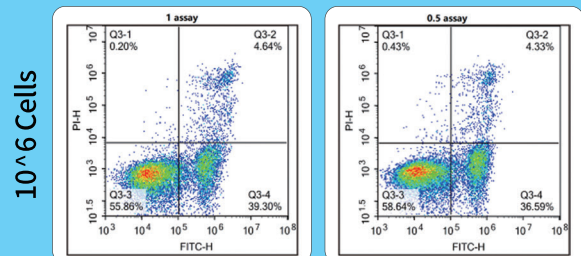
In one-step or two-step, staining can be completed in about 15 min.

04 Short Lead Time

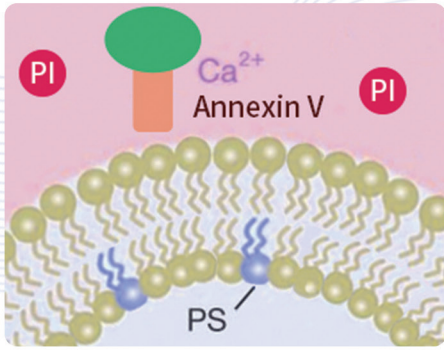
Self-developed, large inventory, next-day delivery

05 More cost-effective

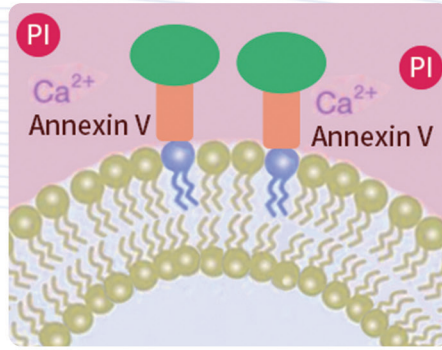
Using half reagent doses for staining can still get good results: Flow cytometry analysis with Jurkat cells (1×10^6) treated with 5 μ M camptothecin for 4 hours, stained with K019 1 assay (Left) and 0.5 assay (Right) respectively.



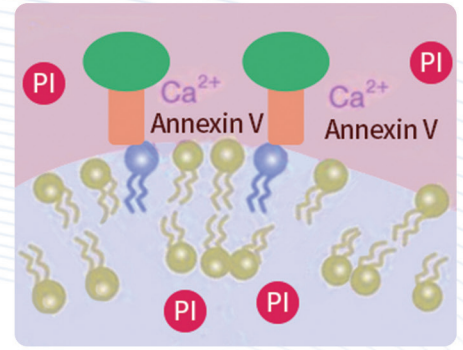
Annexin V is the indicator for detecting early cell apoptosis, which has a high affinity for PS (photosensitive serine). In the early apoptosis, PS flips from the inner side of the lipid bilayer of the cell membrane to the outer side. Recombinant Annexin V coupled with fluorescein was used to detect PS on the surface of cell membranes. In the late apoptosis, PI (Propidium Iodide) can stain the nucleus red (except normal cells) after entering the cell membrane. So cells at different stages of apoptosis can be grouped by staining with the combination of Annexin V labeled FITC/EGFP and PI.



(Normal)



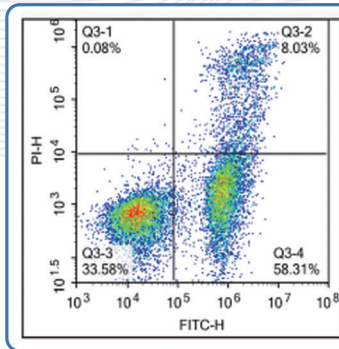
(Early apoptosis)



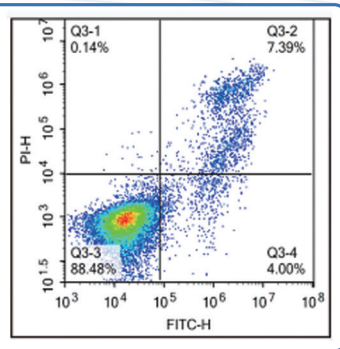
(Late apoptosis)

Results

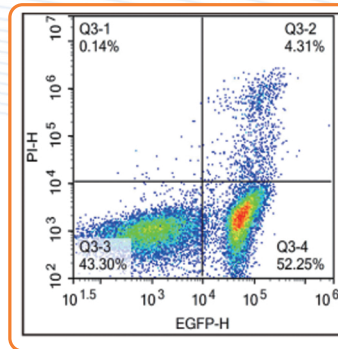
Flow cytometry analysis with Jurkat cells treated with 5 μ M camptothecin for 4 hours (Fig1,2) and untreated (Fig3,4), stained with the kit (K019, K018) respectively.



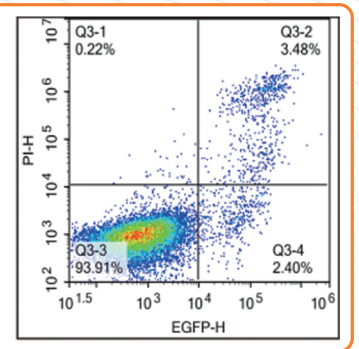
(Fig1)



(Fig3)



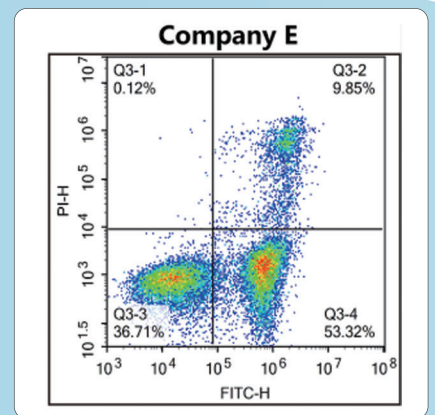
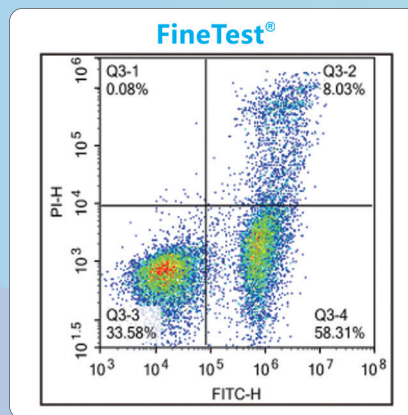
(Fig2)



(Fig4)

Comparison

Flow cytometry analysis with Jurkat cells (5×10^5) treated with 5 μ M camptothecin for 4 hours, stained with FineTest (K019, Left) and Company E (Right) respectively.



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