Apoptosis detection using permiable cells

- For detection of apoptosis in ethanol fixed samples
- Any DNA fluorochrome can be used
- Can be used along with immunofluorescence staining

READEGENT LIST (Pick one dye):

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Stock solutions
        - Propidium Iodide              0.5 mg/ml in PBS, final 50ug/ml
        - Hoechst 33342 (or 33258)      1.0 mg/ml in dH2O, final 1ug/ml
        - Chromomycin A3        1.0 mg/ml in PBS, final 20ug/ml
```

PROTOCOL:

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Fixation:
        Cold ethanol fixation, as described earlier

Staining:
        Buffer for PI staining:
                PBS + Triton X-100 (0.1%) + 0.1 mM EDTA + 50 ug/ml RNase (50 u
        Buffer for Hoechst 33342 (or 33258)
                PBS (no additions)
        Buffer for Chromomycin A3
                PBS + 5mM MgCl2


        1. Cells are incubated in respective dye at room temperature,
          in the dark 30-60 minutes.
        2. Cells are analyzed without washing.
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TIPS:

REFERENCE:

Telford,W.G., King, L.E., Fraker, P.J.(1992) Comparative evaluation of several DNA bir
in the detection of apoptosis-associated chromatin degradation by flow cytometry.
Cytometry 12:137-143

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