

Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK  
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: [info@abbexa.com](mailto:info@abbexa.com)

## **PI / RNase Staining Buffer**

Catalogue No.: abx090619

Propidium iodide (or PI) is an intercalating agent and a fluorescent molecule with a molecular mass of 668.4 Da that can be used to stain cells. When excited with 488 nm wavelength light, it fluoresces red. PI binds to both DNA and RNA, so the latter must be removed by digestion with ribonucleases. The content of DNA as determined by flow cytometry, can reveal useful information about the cell cycle and the proteins involved in the regulation of the cell cycle. This reagent may be used to analyze cell cycle by flow cytometry in addition to use with antibodies for examining the expression of proteins during the cell cycle.

**Note:** This product is for research use only.