

**ApopTag Plus Peroxidase In Situ Apoptosis Kit The ApopTag Plus Peroxidase In Situ Apoptosis Detection Kit detects apoptotic cells by labeling & detecting DNA strand breaks by the indirect TUNEL method.**

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Unit EA

**Description**

The ApopTag Plus Peroxidase In Situ Apoptosis Detection Kit detects apoptotic cells by labeling and detecting DNA strand breaks by the indirect TUNEL method. The kit provides sufficient reagents for immunoperoxidase staining of 40 samples, and includes ApopTag(R) Positive control Slides and DAB buffer and substrate. Results are visualized using brightfield microscopy. The ApopTag Peroxidase Kits have been qualified for use in histochemical and cytochemical staining of the following specimens: formalin-fixed, paraffin-embedded tissues, cryostat sections, cell suspensions, cytopins, and cell cultures. Whole mount-methods have been developed (34, 45). (See datasheet Sec. V. for References). The staining specificity of the ApopTag Peroxidase Kits has been demonstrated by Chemicon and many other laboratories. Chemicon has tested many types of model cell and tissue systems, including: (a) human prostate, thymus, and large intestine (in-house data), (b) rat ventral prostate post-castration (21), (c) rat thymus lymphocytes treated in vitro with dexamethasone (3, 13), (d) 14-day mouse embryo limbs (1) and (e) rat mammary gland in regression after weaning (36). In the thymocyte and prostate models, agarose gel electrophoresis was used to assess the amount of DNA laddering, which peaked coincidentally with the maximum percentage of stained cells. Numerous journal publications from laboratories worldwide have established the usefulness of ApopTag Kits. (See datasheet Sec. V. References, Publications Citing ApopTag Kits).