



Proteinase K

(Stable Solution for In Situ Hybridization)

- Catalog No.:** K 030
- Intended Use:** DBS Proteinase K is specifically designed to achieve proteolytic digestion of formalin fixed, paraffin embedded tissue sections prior to performing in situ hybridization procedures.
- Principle:** Use of aldehyde containing fixatives for in situ hybridization is universally acceptable procedure. However, this choice of fixative creates a mandatory need for proteolytic digestion of tissue sections prior to in situ procedures. Proteolytic digestion of formalin fixed tissues improves the accessibility of target DNA to biotinylated probes, which results into a better in situ staining.
- How Supplied:** 2 ml of Proteinase K is supplied as 25X concentrated stabilized solution. Each vial will produce 50 ml of working solution, sufficient for 500 tests.
- Reagent Preparation:** Take 100 ul of Proteinase K solution in a glass tube and add 2.4 ml of distilled water and mix.
- Procedure:** The optimal digestion conditions will vary depending on the fixation conditions and should be optimized by individual laboratory. However, incubation of tissue sections for 10-30 minutes at 37 degrees Celsius is sufficient for in situ.
- Storage:** Store vial at 4-8 degrees Celsius. Proteinase K is stable for 6 months from the date of manufacturing. For long term storage, aliquot Proteinase K into smaller sizes and store at -20 degrees Celsius.

For Research Use Only. Not for Diagnostic or Therapeutic Work.

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