

**QUANTUM HD PROTEINASE K**

Catalog#	QHD-011
Size	100 Tests

**INTENDED USE:**

For In vitro Diagnostic Use

**DESCRIPTION:**

Quantum HD Proteinase K is a subtilisin-related serine protease that has no pronounced cleavage specificity.

Quantum Proteinase K is used on paraffin embedded tissues for unmasking nucleic acids prior to *in situ* hybridization and for unmasking epitopes prior to immunohistochemistry.

It is intended for use in *in situ* hybridization and immunohistochemistry in conjunction with the Quantum HDx Automated IHC/ISH Slide Stainer. Optimal conditions for unmasking should be validated by the user as these are dependent upon tissue, fixation, probe, and/or primary antibody.

**INTERPRETATION OF RESULTS**

A qualified Pathologist is entitled to give a clinical interpretation of the results obtained based on the patient's clinical history and complementary morphological tissue observations.

**SUMMARY AND EXPLANATION**

*In Situ* Hybridization (ISH) is a commonly used technique to identify nucleic acid sequences present in cells or microorganisms.

Immunohistochemistry (IHC) is a commonly used technique supporting the identification of antigens present on the tissue or cells.

It is the responsibility of the operator to identify the best working conditions and the best reagents to perform the staining run.

**REAGENTS PROVIDED**

Component	Qty per kit	Part Number
Proteinase K Solution	15ml	QHD-011

**DILUTION AND MIXING**

The product is ready-to-use. No further dilution is required.

**STORAGE & STABILITY**

Store at 2-8°C. Do not freeze. The reagents must be returned to the storage conditions identified above immediately after use. When properly stored, the reagents are stable to the date indicated on the label.

## WARNINGS & PRECAUTIONS

Quantum Solutions are harmful and irritating to the eyes, respiratory system and skin. It may cause lung and stomach damage if ingested. **Wear disposable gloves when handling reagents.** MSDS are available from your local representative upon request.



There are no express or implied warranties which extend beyond this datasheet. StatLab is not liable for personal injury, property damage or economic loss caused by this product.

## INSTRUCTION FOR USE

### Reagents for ISH and IHC procedures

Dilute (20x)wash buffer by mixing 19 portions of distilled water with 1 portion of the wash buffer to final 1x. Fill the wash buffer bottle from the instrument with the 1x wash buffer, screw the cap connected with tubing. Place the bottle in the designated area of the instrument.

Pull the Reagent Rack that has the required RFID tagged solution vials from refrigerator, remove the caps from the vials and place the Reagent Rack onto the PathCom Slide Stainer. Turn on the unit, log in, press **Prepare Labels** to prepare the slide labels, place them on the slides, press **Load Slides**, put slides on the modules, press **Scan Slides**, then press **Scan Reagents** and allow the RFID Reader to identify and register the products, check on the required wash buffer and waste container, press **Start Staining Process**, or press **Delayed Start** and set the finished time you want. The staining process is fully automated.

