

Morphology Preservation and Biomolecule Stabilization Now Available in One Tissue System

PAXgene® Tissue System enables researchers to maximize use of precious samples

An integrated laboratory system for sample fixation, stabilization and purification is now available from PreAnalytiX GmbH, a QIAGEN/BD company. With the PAXgene Tissue System, researchers can perform histology, immunohistochemistry and extractions of stabilized RNA, miRNA and DNA from one sample.

Research laboratories working with human and animal tissue are faced with the challenge of conducting a variety of analyses on limited sample materials. A commonly used method for preserving tissue morphology is formalin fixation followed by embedding in paraffin (FFPE). While this method provides acceptable results for morphological examination, it is not optimal for the retrieval of biomolecules, particularly nucleic acids. As a result, the integrity of DNA, RNA and miRNA is compromised, preventing complete molecular analysis. Accurate and complete molecular and histological information is necessary for case-controlled, population-based clinical studies, biomarker discovery and diagnostic assay and drug development.

The PAXgene Tissue System preserves tissue histomorphology and stabilizes nucleic acids, enabling researchers to get the most information from precious tissue samples. Tissue treated in the PAXgene Tissue System can be processed and embedded in paraffin. The resultant sample can then be stained for morphological examination or extracted for genetic, epigenetic or gene expression analysis.

For more information on the PAXgene Tissue System click here:

<http://www1.qiagen.com/news/Paxgene.aspx>

The PAXgene Tissue Containers and associated PAXgene Tissue Kits are for research use only. No claim or representation is intended to provide information for the diagnosis, prevention or treatment of a disease.