

# ProductSheet

## **PAXgene® Tissue STABILIZER Concentrate (150 ml)**

For stabilization of tissue specimens previously fixed in PAXgene Tissue FIX.

**IMPORTANT:** To be used in conjunction with the PAXgene Tissue FIX Container (50 ml).

PAXgene Tissue STABILIZER Concentrate (150 ml) can be stored at room temperature or refrigerated temperature (2–25°C).

### **Equipment and reagents to be supplied by user**

- Ethanol, purity grade a.d. (96–100%, recommended) or denatured with methanol, isopropanol (e.g., histological grade alcohol composed of 90 parts ethyl alcohol, 5 parts methyl alcohol and 5 parts isopropyl alcohol), or methyl ethyl ketone (i.e., 99 parts ethanol and 1 part methyl ethyl ketone)
- Optional for storage at –20°C (–15°C to –30°C) or –80°C (–65°C to –90°C): cryogenic vial with screw closure (e.g., Thermo Fisher Scientific, cat. no. 5005-0015)\*

### **Important points**

- Refer to the *PAXgene Tissue FIX Container Product Circular* for a detailed protocol on sample fixation, stabilization and processing.
- Starting material should be a tissue sample fixed with the PAXgene Tissue FIX Container.
- Before using the PAXgene Tissue STABILIZER Concentrate for the first time, add ethanol (see bottle label for final volume) to obtain a working solution. Carefully mix concentrate and ethanol by inverting the bottle at least 10 times. Place a check mark in the box on the label to indicate that the required amount of ethanol has been added to the PAXgene Tissue STABILIZER Concentrate. This solution is now ready for use.

### **Transport or storage of tissue specimens in PAXgene Tissue STABILIZER**

- The nucleic acids, proteins, and morphology of a sample in PAXgene Tissue STABILIZER are stable for a minimum of 7 days at room temperature (15–25°C) or for a minimum of 4 weeks at 2–8°C, depending on tissue type.<sup>†</sup>

\* This is not a complete list of suppliers and does not include many important vendors of biological supplies.

<sup>†</sup> Specifications for tissues size, fixation, and storage conditions in PAXgene Tissue Container, PAXgene Tissue FIX and PAXgene Tissue STABILIZER were determined using animal tissues. Studies for storage at –20°C (–15°C to –30°C) or –80°C (–65°C to –90°C) are ongoing. See technical notes for the latest updates at [www.preanalytix.com](http://www.preanalytix.com).

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- A minimum incubation time of 2 h in PAXgene Tissue STABILIZER is recommended before processing and embedding in paraffin.
- Tissue samples can be stored in the PAXgene Tissue STABILIZER for longer periods at  $-20^{\circ}\text{C}$  ( $-15^{\circ}\text{C}$  to  $-30^{\circ}\text{C}$ ) or  $-80^{\circ}\text{C}$  ( $-65^{\circ}\text{C}$  to  $-90^{\circ}\text{C}$ ) without negative effects on the morphology of the tissue or the integrity of nucleic acids.\*
- To freeze a tissue sample fixed with the PAXgene Tissue FIX Container (50 ml) at  $-20^{\circ}\text{C}$  ( $-15^{\circ}\text{C}$  to  $-30^{\circ}\text{C}$ ) or  $-80^{\circ}\text{C}$  ( $-65^{\circ}\text{C}$  to  $-90^{\circ}\text{C}$ ), we recommend transferring the tissue sample from the container and placing it into a screw cap cryogenic vial (not supplied) filled with PAXgene Tissue STABILIZER.
- It is possible to use PAXgene Tissue STABILIZER to stabilize a fixed tissue sample as the first step in processing and embedding in paraffin. Fill position one of a tissue processor with PAXgene Tissue STABILIZER, remove the tissue specimen from PAXgene Tissue FIX, and transfer it to the first position of the processor.

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Trademarks: PAXgene<sup>®</sup>, PreAnalytiX<sup>®</sup> (PreAnalytiX GmbH.); QIAGEN<sup>®</sup> (QIAGEN Group)

1074356 02/2013 © 2013 QIAGEN Group/PreAnalytiX

