

## Product Sheet

# PAXgene® Tissue STABILIZER Concentrate (150 ml)

For stabilization of tissue specimens previously fixed in PAXgene Tissue FIX

## Contents

<b>PAXgene Tissue STABILIZER Concentrate</b>	<b>(150 ml)</b>
<b>Cat. no.</b>	<b>765512</b>
PAXgene Tissue STABILIZER Concentrate	8 bottles

**Important:** To be used in conjunction with the PAXgene Tissue FIX Container (50 ml). For details, see *the PAXgene Tissue FIX Container Handbook*.

## Product Use Limitations

For Research Use Only. Not for use in diagnostics procedures. No claim or representation is intended to provide information for the diagnosis, prevention, or treatment of a disease.

The performance characteristics of this reagent have not been fully established nor validated for any specific organism. It is the user's responsibility to validate the performance of the PAXgene Tissue STABILIZER for any particular use.

## Storage

PAXgene Tissue STABILIZER Concentrate (150 ml) can be stored at room temperature (15–25°C) until the expiration date printed on the box label.

## Equipment and Reagents to Be Supplied by User

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, consult the appropriate safety data sheets (SDSs), available from the product supplier.

- Ethanol, either purity grade a.d. (96–100%, recommended) or denatured with methanol, with isopropanol (e.g., histological grade alcohol composed of 90 parts ethyl alcohol, 5 parts methyl alcohol and 5 parts isopropyl alcohol), or with methyl ethyl ketone (i.e., 99 parts ethanol and 1 part methyl ethyl ketone)

- Optional for storage at  $-20^{\circ}\text{C}$  ( $-15^{\circ}\text{C}$  to  $-30^{\circ}\text{C}$ ) or  $-80^{\circ}\text{C}$  ( $-65^{\circ}\text{C}$  to  $-90^{\circ}\text{C}$ ): cryogenic vial with screw closure (e.g., Thermo Fisher Scientific, cat. no. 5005-0015)\*

## Important Points

- Refer to the *PAXgene Tissue FIX Container Handbook* 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 350 ml ethanol to a bottle containing 150 ml concentrate to obtain a working solution. Carefully mix concentrate and ethanol by inverting the bottle at least 10 times. Check the box on the label to indicate that the required amount of ethanol has been added. The solution is 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 up to 7 days at room temperature ( $15$ – $25^{\circ}\text{C}$ ) or up to 4 weeks at  $2$ – $8^{\circ}\text{C}$ , depending on tissue type.<sup>†</sup>
- 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.<sup>†</sup>
- 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 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.

## Safety Information

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate safety data sheets (SDSs). These are available online in convenient and compact PDF format at [www.qiagen.com/safety](http://www.qiagen.com/safety) where you can find, view and print the SDS for each QIAGEN® or PreAnalytiX® kit and kit component.

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

<sup>†</sup> Storage at  $2$ – $8^{\circ}\text{C}$  for more than 4 weeks must be validated for each tissue type. Specifications for tissues size, fixation and storage conditions were determined using animal tissues. Studies for storage at  $-20^{\circ}\text{C}$  ( $-15^{\circ}\text{C}$  to  $-30^{\circ}\text{C}$ ) or  $-80^{\circ}\text{C}$  ( $-65^{\circ}\text{C}$  to  $-90^{\circ}\text{C}$ ) are ongoing. See technical notes for the latest updates at [www.preanalytix.com](http://www.preanalytix.com).

## Ordering Information

Product	Contents	Cat. no.
PAXgene Tissue STABILIZER Concentrate (150 ml)	8 bottles of 150 ml PAXgene Tissue STABILIZER Concentrate. Makes 4 liters of PAXgene Tissue STABILIZER Reagent for use with tissue specimens previously fixed in PAXgene Tissue FIX Containers	765512
PAXgene Tissue FIX Containers (50 ml)	10 Reagent Containers prefilled with 50 ml PAXgene Tissue FIX	765312

For up-to-date licensing information and product-specific disclaimers, see the respective PreAnalytiX or QIAGEN kit handbook or user manual. PreAnalytiX and QIAGEN kit handbooks and user manuals are available at [www.preanalytix.com](http://www.preanalytix.com) and [www.qiagen.com](http://www.qiagen.com) or can be requested from PreAnalytiX Technical Services.

## Revision History

Document	Cover date	Description of changes
HB-1478-001	February 2013	Initial release
HB-1478-002	March 2019	Removed references to PAXgene Tissue Containers and PAXgene Tissue RNA Kit; updated ordering information, revision history, safety information and template

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Patent [www.preanalytix.com/patents](http://www.preanalytix.com/patents)

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