CeGaT

Research &
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Sample Preparation Guideline for Single-Cell RNA Sequencing Flex

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For our Single-Cell RNA Sequencing Flex product, we require 2 x 25 µm FFPE scrolls for human samples (2 x 50 µm for murine samples) or 1 million fixed cells. To achieve the best sequencing result, FFPE scrolls and fixed cells must fulfill certain standards.

Please ensure that the FFPE block is well-rehydrated before preparing the scrolls. Figure 1A shows an intact scroll serving as the optimal starting material for further processing. Likewise, scrolls with minimal cracks are acceptable (figure 1B). Inadequate rehydration can lead to broken scrolls and cracks in sections, which make the scrolls unfortunately unacceptable for further processing (see figures 1C and 1D).

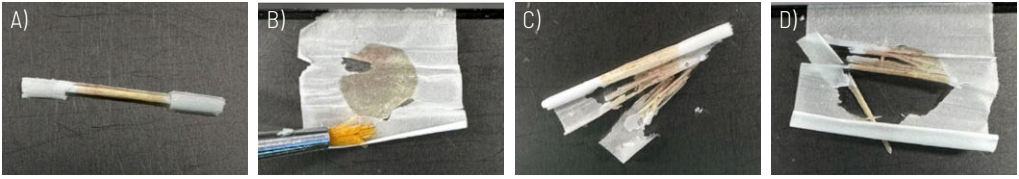

Figure 1 | FFPE scrolls. A) Intact scroll from a well-hydrated block; B) Scroll from a well-hydrated block with a minimal crack in section; C) Broken scroll from a less rehydrated block; D) Unacceptable cracks in the section from a less rehydrated block.

If you would like to send us fixed cells instead of FFPE scrolls, it is necessary to perform fixation according to the 10x Genomics® "Fixation of Cells & Nuclei for Chromium Fixed RNA Profiling" protocol. This protocol outlines how to perform fixation and provides guidance on storing the fixed cells. To avoid biased results, we highly recommend following the guidelines provided by 10x Genomics®.

CeGaT GmbH | Research & Pharma Solutions | Paul-Ehrlich-Str. 23 | 72076 Tübingen | Germany
Phone: +49 7071 56544-333 | Fax: +49 7071 56544-56 | Email: rps@cegat.com | Web: www.cegat.com/rps

2024/06