



## CosMx Slide Preparation

Sample	FFPE block
<b>Slides</b> (NOTE: these slides have been validated by NanoString. Do not use other products.)	<ul style="list-style-type: none"><li>• VWR Superfrost Plus Micro Slide, Premium (48311-703) Or</li><li>• Leica BOND PLUS slides, Leica Biosystems (S21.2113.A)</li></ul>
<b>Tissue Sectioning</b>  (NOTE: We strongly recommend that users come to the single cell core to obtain a glass slide with label and use it as template)	<ul style="list-style-type: none"><li>• FFPE blocks should be sectioned at <b>4-6 <math>\mu\text{m}</math> thickness</b> and mounted on the label side of VWR Superfrost Plus Micro Slides or Leica BOND PLUS slides.</li><li>• Tissue sections must be centered within the Scan Area (<b>the green area</b>) of the slide and be no larger than 20 mm Long by 15 mm Wide (image not to scale). For best performance, ensure some glass is visible in all four corners and in the center of the scan area.</li></ul> <div data-bbox="696 1115 1289 1310" data-label="Image"><p>The diagram shows a rectangular slide. On the left side, there is a white vertical rectangle labeled 'LABEL'. To the right of the label is a light gray area representing the slide surface. In the center of this gray area is a smaller green square, which is the 'Scan Area'.</p></div> <p>(You can print this page and match your slides on this image)</p>
<b>Replicates</b>	<ul style="list-style-type: none"><li>• 2 to 3 slides, based on your experimental design.</li></ul>
<b>After sectioning</b>	<ul style="list-style-type: none"><li>• After sectioning and prior to use or storage, to improve tissue adherence, <b>bake slides at 37°C overnight</b> at an angle no greater than 45 degrees.</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>• Slides should be stored in a sealed sample box with desiccants at 4°C, keep the slides dry and cold.</li><li>• It is recommended to use mounted sections within two weeks for the best results. Older sections (1-2 months) may produce reasonable results, but this may be tissue or block dependent and should be tested empirically.</li></ul>