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| Visium FFPE Slide Preparation Guidline | |
| Sample | **FFPE block** |
| Slides  (NOTE: these slides have been validated. Do not use other products.) | * VWR Superfrost Plus Micro Slide, Premium (48311-703) * Epredia Shandon ColorFrost Plus Slides * Fisherbrand SuperFrost Plus Microscope Slides * Sigma-Aldrich Poly Prep Slides (P0425)   \*\* **Do not** use Leica BOND PLUS slides, Leica Biosystems (S21.2113.A) |
| Tissue Sectioning  (NOTE: We strongly recommend that users come to the single cell core to obtain a glass slide with label and use it as template) | * FFPE blocks should be sectioned at **3-10 μm thickness** and mounted on the label side of slides. * The Visium CytAssist Tissue Slide Cassette will be mounted onto the slide within the available area (**the green line**). The area of interest (11mm\*11mm) should be centered within the available area in the cassette.     (Only one area of interest will be chosen and must fit inside 11mm\*11mm area) |
| Replicates | * 2 to 3 slides, or 2 to 3 tissue samples fit within the area of interest based on your experimental design. |
| After sectioning | * After sectioning and prior to use or storage, to improve tissue adherence, **bake slides at 42°C for 3hours.** |
| Storage | * Slides should be stored in a sealed sample box with desiccants at 4℃, keep the slides dry and cold. * Slides could be stored for up to 2 weeks, [long-term storage](https://www.10xgenomics.com/support/spatial-gene-expression-ffpe/documentation/workflows/cytassist-ffpe/steps/tissue-prep/visium-cytassist-spatial-gene-expression-for-ffpe-a-tissue-slide-shipping-and-extended-storage-case-study) can be done but may result in decreased sensitivity. |