

Quick Reference Cards | CG000623 | Rev B

# Xenium

for Slide Cassette Assembly

For use with:

Xenium Slides & Sample Prep Reagents (2 slides, 2 rxns), PN-1000460

Xenium Decoding Consumables (1 run, 2 slides), PN-1000487

Xenium Slides Kit (2 slides), PN-1000465



# Xenium

## Document Revision Summary

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### Document Number

CG000623 | Rev B

### Title

Xenium Quick Reference Cards – Slide Cassette Assembly

### Revision

Rev A to Rev B

### Revision Date

March 2024

### Specific Changes

Updated illustrations, formatting and overall organization to include greater detail and align with current standards.

### General Changes

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# Xenium

## Slide Cassette Assembly

### Xenium Slide Cassette

 Follow instructions carefully. Incorrect assembly of the Xenium Cassette with a Xenium slide can negatively impact assay performance.

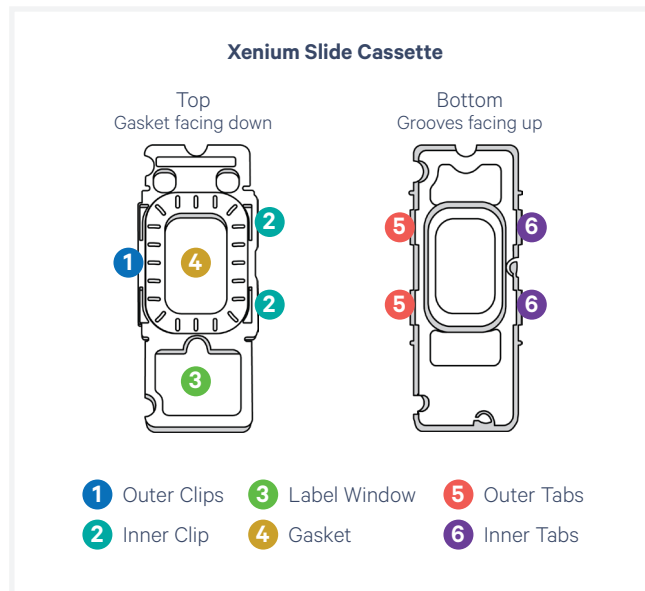
The following instructions describe the assembly and disassembly of the Xenium Slide Cassette. The assembled cassette consists of the Xenium slide and slide cassette (top and bottom). Refer to the figure on the right for key parts of the slide that are critical for function.

The assembled Xenium Cassette acts to encase the slide and create a leakproof well for adding reagents.

Gaskets are used to create a sealed well around tissue and corresponds to the Sample Area etched on the slide.

Assemble slide into the cassette flat on a clean work surface. Ensure slide is completely dry before assembling into cassette.

Refer to the *Xenium In Situ for FFPE - Deparaffinization & Decrosslinking (CG000580)* and *Xenium In Situ for Fresh Frozen - Fixation & Permeabilization (CG000581)* Demonstrated Protocols for further guidance.



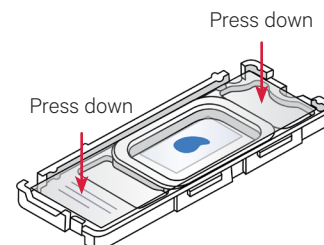
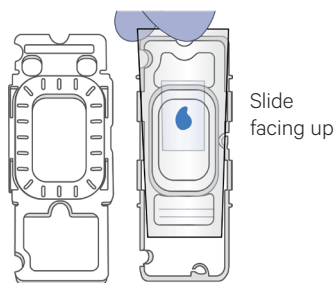
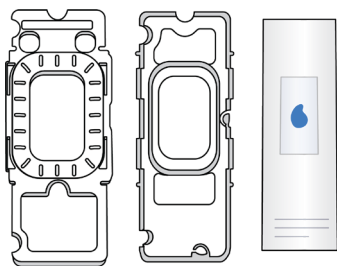
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## Slide Cassette Assembly

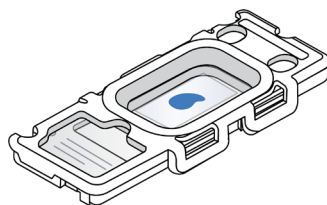
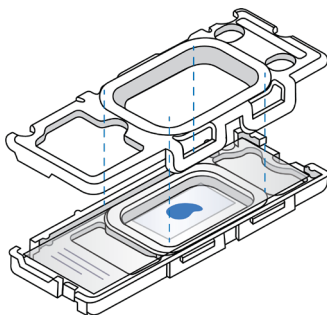
 Follow instructions carefully. Incorrect assembly of the Xenium Cassette with a Xenium slide can negatively impact assay performance.

### Assembly

- 1 Place top and bottom halves of cassette on bench with the top cassette facing down and bottom cassette facing up.
- 2 Place Xenium slide with tissue side facing upwards into bottom half of cassette; ensure label is toward bottom of cassette.
- 3 Press slide down into grooves of the bottom half of the cassette until it sits firmly in place.



- 4 Secure clips of top half with tabs of bottom half (on both sides).
- 5 Apply even pressure on top of cassette until all clips click shut. Verify that clips are completely secured over tabs.\*



\*Consult Xenium In Situ Gene Expression User Guide (CG000584) for information about cassette assembly failures.

### Removal

- 1 Pull inner clips from inner tabs to detach top and bottom halves of cassette.
- 2 Open cassette by continuing to lift inner clips upward.
- 3 Hold slide by the label and lift slide out from bottom half.

