10x GENOMICS

Quick Reference Cards | CG000548 | Rev C

Visium CytAssist

for Instrument Accessory Kit Instruction

For use with:

Visium CytAssist & Accessory Kit, 12-Month Warranty, PN-1000441 or
Visium CytAssist & Accessory Kit, 24-Month Warranty, PN-1000442

Visium CytAssist Accessory Kit, PN-1000433

If printing this document:

Select “A5 paper size” or “100%” to print to scale. Measure slide diagrams to verify.

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Visium CytAssist
Document Revision Summary

Document Number
CG000548 | Rev C

Title
Visium CytAssist Quick Reference Cards – for Instrument Accessory Kit Instruction

Revision
Rev B to Rev C

Revision Date
March 2024

Specific Changes
A new card (2 pages) was added for slides that are 26 mm wide. Cards subtitles were renamed. Notes for Visium HD compatibility were added.

General Changes
Wording has been updated for clarity.

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Visium CytAssist
Tissue Slide Alignment *(25 mm width)*

Use this guide to determine if the tissue section is located in an area that results in successful analyte transfer and imaging. Overlay the slide on the appropriate square in (**A**). Proceed to the appropriate diagram in (**B**).

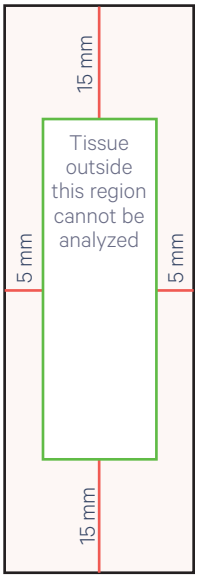
See product-specific documentation to check compatibility for slide width, cassette type and capture area size. Visium HD is compatible with 25 mm and 26 mm width slides and uses a 6.5 mm capture area. Visium v2 is compatible with 25 mm width slides and uses a 6.5 mm or 11 mm capture area.

A **Ensure that the tissue section will fit** within the Capture Area of a Visium Slide. Only the tissue within the boundary will be processed by the instrument. Overlay the slide, centering the tissue on either square.

B **If slide has no frosted areas, overlay on diagram 1.**

Tissue should lie within the green allowable area:
15 mm from top and bottom edges
5 mm from the sides

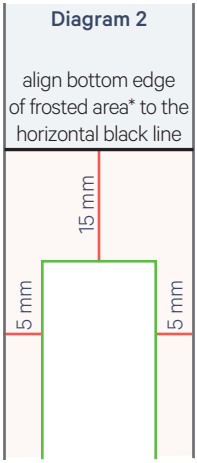
Diagram 1



If slide has a frosted end and/or marks, overlay on diagram 2 and then on diagram 3.

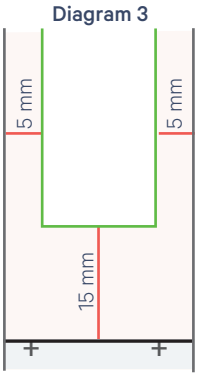
Check the allowable area from both the top (diagram 2) and bottom (diagram 3) to ensure the tissue lies within the green allowable area (*area is variable due to variability in the dimensions of frosted areas across slide brands):*
15 mm from edge of frosted area/marks
5 mm from the sides

Diagram 2



**If text is present below frosted area of slide, align bottom of the letters to the line*

Diagram 3



align bottom edge** to the horizontal black line

***If markings are present at bottom edge of slide, align markings to the + signs*

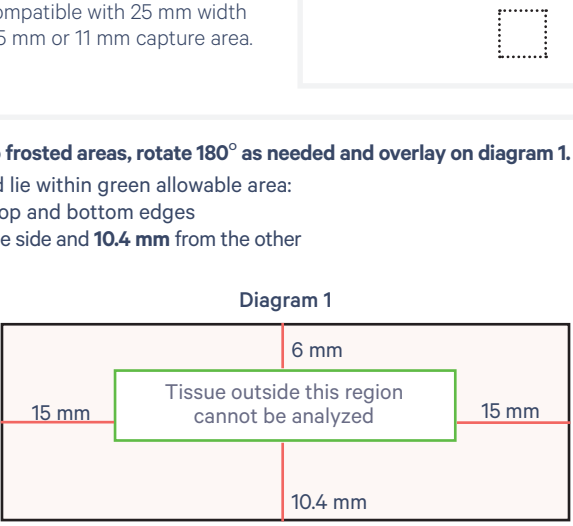
Visium CytAssist
Tissue Slide Alignment *(26 mm width, 1 of 2)*

Use this guide to determine if the tissue section is located in an area that results in successful analyte transfer and imaging. Overlay the slide on the square in (**A**). Proceed to the appropriate diagram in (**B**) or (**C**).

See product-specific documentation to check compatibility for slide width, cassette type and capture area size. Visium HD is compatible with 25 mm and 26 mm width slides and uses a 6.5 mm capture area. Visium v2 is compatible with 25 mm width slides and uses a 6.5 mm or 11 mm capture area.

A **Ensure that the tissue section will fit** within the Capture Area of a Visium Slide. Only the tissue within the boundary will be processed by the instrument. Overlay the slide, centering the tissue on either square.

6.5 mm
Capture Area



B **If slide has no frosted areas, rotate 180° as needed and overlay on diagram 1.**
Tissue should lie within green allowable area:
15 mm from top and bottom edges
6 mm from one side and **10.4 mm** from the other

Diagram 1

See next page for (**C**), if slide has a frosted end and/or marks.

Visium CytAssist
Tissue Slide Alignment *(26 mm width, 2 of 2)*

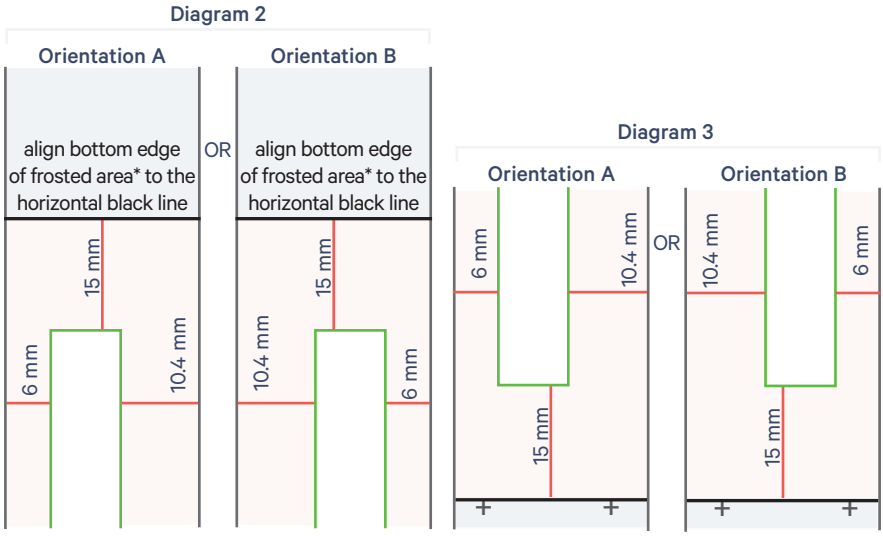
See previous page for (**B**), if slide has no frosted areas.

See product-specific documentation to check compatibility for slide width, cassette type and capture area size. Visium HD is compatible with 25 mm and 26 mm width slides and uses a 6.5 mm capture area. Visium v2 is compatible with 25 mm width slides and uses a 6.5 mm or 11 mm capture area.

C **If slide has a frosted end and/or marks, overlay on diagram 2 and then diagram 3.**

Choose orientation A or B, depending on the location of the tissue on the slide (placement of the slide on the instrument slide stage is independent of this orientation). Check the allowable area from both the top (diagram 2) and bottom (diagram 3) to ensure the tissue lies within the green allowable area *(area is variable due to variability in the dimensions of frosted areas across slide brands):*

15 mm from frosted area/marks
6 mm from one side and **10.4 mm** from the other



**If text is present below frosted area of slide, align bottom of the text to the line*

align bottom edge** to the horizontal black line

***If markings are present at bottom edge of slide, align markings to the + signs*

Visium CytAssist
Tissue Slide Alignment *(on instrument)*

Ensure the tissue on each slide fits within the allowable area of the Tissue Slide Stage. Align tissue to the center of the alignment guides for 6.5 mm (rectangles) or 11 mm (lines) capture areas in (**A**) on either the left or right side of the stage.

If necessary, rotate the slide 180°, as shown in (**B**). Place off-center tissues closer to the center line. Slides should not cross/overlap the center line.

Consult Visium CytAssist Instrument User Guide with Readiness Test (CG000542) & Visium CytAssist Training Kit User Guide (CG000549).