

TILT LIGHT SHEET SAMPLE PREP TIPS FOR THICK SAMPLES

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COMPATIBLE MOUNTING



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LIGHT
SHEET

The light sheet enters from the right & needs to pass through flat clear glass. We recommend Ibidi 4- or 8-well chamber slides with #1.5 coverslip bottoms (inner wells only): 80426 or 80826.

USE #1.5 COVERSLEIPS

Use #1.5 coverslips and mount sample DIRECTLY on it. This is especially important if you plan on using high magnification, high NA objectives.



#1.5 Coverslip

IMMOBOLIZE SAMPLE

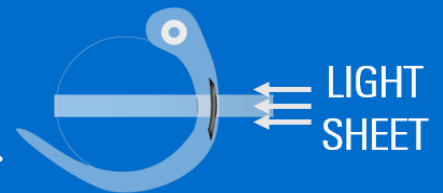


#1.5 Coverslip

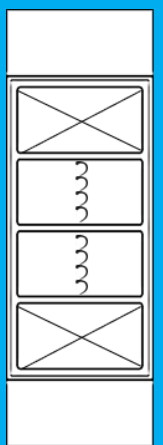
If your sample does not like to attach to the #1.5 coverslip & floats around, embed in low melt agarose or hydrogel. You can also coat the coverslip with poly-L-Lysine to help it stick.

ORIENT SAMPLE

Ensure that the structure you want to image is directly facing the light sheet. Avoid having anything block the light sheet's path.



LOW PLATING DENSITY



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LIGHT
SHEET

Avoid having anything in front of the structure you want to image. Mount few specimens per coverslip and orient them perpendicular to the light sheet.

QUESTIONS?

Have more questions? Get in touch!

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