

STEREO INVESTIGATOR (WHOLE SLIDE) PROBES sorted alphabetically



	THICKNESS			SECTION ORIENTATION					TYPE OF ESTIMATE										
	thin tissue	thick tissue	2D	isotropic	vertical	preferential	counting	length	cell profile area	tissue profile area	surface area/volume	area fraction	cell volume	organelle volume	tissue volume	tissue thickness	volume fraction	connectivity	coefficient of error
Area Fraction Fractionator	■	■		■	■	■					■						■		
Cavalieri point counting	■	■		■	■	■				■					■				■
Combined Point Intercept	■	■		■						■									
Connectivity Assay	■			■	■	■	■											■	
Cycloids for Sv	■	■			■						■								
Discrete Vertical Rotator	■				■									■					■
Fractionator			■				■												■
Merz	■			■							■								
Nucleator	■	■		■					■				■						
Orthogonal intercepts	■			■				■								■			
Petrimetrics			■					■											
Physical fractionator	■			■	■	■	■												■
Point sampled intercept	■	■		■	■								■						
Surface-weighted star volume	■			■									■						■
Weibel	■			■							■								

probe highlighted in yellow Probe most recommended for current studies

Updated 4/26/2019

STEREO INVESTIGATOR (WHOLE SLIDE) PROBES sorted by tissue thickness



		SECTION ORIENTATION							TYPE OF ESTIMATE								
		isotropic	vertical	preferential	counting	length	cell profile area	tissue profile area	surface area/volume	area fraction	cell volume	organelle volume	tissue volume	tissue thickness	volume fraction	connectivity	coefficient of error
2D	Fractionator				■												■
	Petrimetrics					■											
THIN TISSUE	Area Fraction Fractionator	■	■	■					■						■		
	Cavalieri point counting	■	■	■				■				■					■
	Combined Point Intercept	■						■									
	Connectivity Assay	■	■	■	■											■	
	Cycloids for Sv		■						■								
	Discrete Vertical Rotator		■									■					■
	Merz	■							■								
	Nucleator	■						■			■						
	Orthogonal intercepts	■				■								■			
	Physical fractionator	■	■	■	■												■
	Point sampled intercept	■	■								■						
	Surface-weighted star volume	■									■						■
Weibel	■							■									
THICK TISSUE	Area Fraction Fractionator	■	■	■					■						■		
	Cavalleri point counting	■	■	■				■				■					■
	Combined Point Intercept	■						■									
	Cycloids for Sv		■						■								
	Nucleator	■						■			■						
	Point sampled intercept	■	■								■						

probe highlighted in yellow Probe most recommended for current studies

STEREO INVESTIGATOR (WHOLE SLIDE) PROBES sorted by estimate



		THICKNESS			SECTION ORIENTATION				TYPE OF ESTIMATE											
		thin tissue	thick tissue	2D	isotropic	vertical	preferential	counting	length	cell profile area	tissue profile area	surface area/volume	area fraction	cell volume	organelle volume	tissue volume	tissue thickness	volume fraction	connectivity	coefficient of error
LENGTH	Orthogonal intercepts	■			■				■							■				
	Petrimetrics			■					■											
NUMBER	Connectivity Assay	■			■	■	■	■											■	
	Fractionator			■				■												■
	Physical fractionator	■			■	■	■	■												■
SURFACE	Cycloids for Sv	■	■			■						■								
	Weibel	■			■							■								
AREA & VOLUME	Area Fraction Fractionator	■	■		■	■	■						■					■		
	Cavalieri point counting	■	■		■	■	■				■				■					■
	Combined Point Intercept	■	■		■						■									
	Discrete Vertical Rotator	■				■									■					■
	Nucleator	■	■		■					■				■						
	Point sampled intercept	■	■		■	■								■						
	Surface-weighted star volume	■			■									■						■

probe highlighted in yellow Probe most recommended for current studies

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