

STEREO INVESTIGATOR PROBES sorted alphabetically



	THICKNESS			SECTION ORIENTATION				TYPE OF ESTIMATE															
	thin tissue	thick tissue	2D	isotropic	vertical	preferential	counting	length	length/volume	cell profile area	tissue profile area	cell surface area	tissue surface area	surface area/volume	area fraction	cell volume	organismic volume	tissue volume	tissue thickness	volume fraction	spatial distribution	connectivity	coefficient of error
Area Fraction Fractionator	■	■		■	■	■									■					■			
Cavalieri point counting	■	■		■	■	■				■							■						■
Combined Point Intercept	■	■		■						■													
Connectivity Assay	■			■	■	■	■															■	
Cycloids for Lv		■			■				■														
Cycloids for Sv	■	■			■								■										
Discrete Vertical Rotator	■				■												■						■
Fractionator			■				■																■
Isotropic Fakir		■		■	■	■						■											■
Isotropic Virtual Planes		■		■	■	■		■	■														■
IUR Planes OF		■		■				■															■
L-cycloid OF		■			■			■															■
Merz	■			■									■										■
Nearest neighbor		■		■	■	■	■														■		■
Nucleator	■	■		■	■	■	■			■						■							■
Optical Fractionator		■		■	■	■	■																■
Optical rotator		■		■	■						■					■							■
Orthogonal intercepts	■			■				■										■					■
Petrimetrics			■					■															■
Physical fractionator	■			■	■	■	■																■
Planar rotator	■	■		■	■											■							■
Point sampled intercept	■	■		■	■											■							■
Spaceballs		■		■	■	■		■															■
Surface-weighted star volume	■			■												■							■
Surfactor		■		■							■												■
Sv-cycloid fractionator	■				■								■										■
Vertical spatial grid		■			■							■			■								■
Weibel	■			■									■	■									■

probe highlighted in yellow Probe most recommended for current studies

STEREO INVESTIGATOR PROBES sorted by estimate



	THICKNESS			SECTION ORIENTATION			TYPE OF ESTIMATE																		
	thin tissue	thick tissue	2D	isotropic	vertical	preferential	counting	length	length/volume	cell profile area	tissue profile area	cell surface area	tissue surface area	surface area/volume	area fraction	cell volume	organelle volume	tissue volume	tissue thickness	volume fraction	spatial distribution	connectivity	coefficient of error		
LENGTH	Cycloids for Lv		■																						
	Isotropic Virtual Planes		■		■	■		■	■															■	
	IUR Planes OF		■		■			■																■	
	L-cycloid OF		■		■			■																■	
	Orthogonal intercepts	■			■														■						
	Petrimetrics			■					■																
NUMBER	Spaceballs		■		■	■																		■	
	Connectivity Assay	■			■	■	■	■															■		
	Fractionator			■																				■	
	Nearest neighbor		■		■	■	■	■													■			■	
	Optical Fractionator		■		■	■	■	■																■	
SURFACE	Physical fractionator	■			■	■	■	■																■	
	Cycloids for Sv	■	■																						
	Isotropic Fakir		■		■	■							■												
	Merz	■			■	■							■												
	Optical rotator		■		■	■										■									
	Surfactor		■		■	■						■													
	Vertical spatial grid		■		■	■										■									
AREA & VOLUME	Weibel	■			■									■											
	Area Fraction Fractionator	■	■		■	■	■								■						■				
	Cavalieri point counting	■	■		■	■	■				■							■						■	
	Combined Point Intercept	■	■		■						■														
	Discrete Vertical Rotator	■				■											■							■	
	Nucleator	■	■		■						■						■								
	Optical rotator		■		■	■										■									
	Planar rotator	■	■		■	■										■									
	Point sampled intercept	■	■		■	■											■								
	Surface-weighted star volume	■			■												■							■	
Vertical spatial grid		■			■								■			■									

probe highlighted in yellow

Probe most recommended for current studies

STEREO INVESTIGATOR PROBES sorted by tissue thickness



		SECTION ORIENTATION										TYPE OF ESTIMATE									
		isotropic	vertical	preferential	counting	length	length/volume	cell profile area	tissue profile area	cell surface area	tissue surface area	surface area/volume	area fraction	cell volume	organelle volume	tissue volume	tissue thickness	volume fraction	spatial distribution	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	■	■	■	■																■
	Planar rotator	■	■											■							
	Point sampled intercept	■	■											■							■
	Surface-weighted star volume	■												■							■
	Sv-cycloid fractionator		■								■										
	Weibel	■									■										
THICK TISSUE	Area Fraction Fractionator	■	■	■								■					■				
	Cavalieri point counting	■	■	■				■								■					■
	Combined Point Intercept	■							■												
	Cycloids for Lv		■				■														
	Cycloids for Sv		■								■										
	Isotropic Fakir	■	■	■						■											
	Isotropic Virtual Planes	■	■	■		■	■														■
	IUR Planes OF	■				■															■
	L-cycloid OF		■			■															■
	Nearest neighbor	■	■	■	■														■		■
	Nucleator	■						■						■							■
	Optical Fractionator	■	■	■	■									■							■
	Optical rotator	■	■						■					■							
	Planar rotator	■	■											■							
	Point sampled intercept	■	■											■							
	Spaceballs	■	■	■		■															■
	Surfactor	■								■											
Vertical spatial grid		■							■				■								

probe highlighted in yellow Probe most recommended for current studies