

Technical features:

General

- Separate image acquisition and stereological analysis process allows analysis on laptop at any location
- Software contains database for images and sampling parameters, probe data and analysis results
- Possibility for image sharing with other labs
- Support of whole slide image formats: Olympus, Hamamatsu, Aperio, Leica, 3-D Histech/Zeiss, and standard images formats as tiff and jpeg
- All data can be exported to MS Excel
- Detailed user manual implemented in the software

Sampling

- Methods: Systematic uniform random sampling (SURS) based on either fractional area, X,Y - stepper or number of sample
- Sampling can be perform on the entire whole slide image or on user defined region-of-interests
- Overview image displays region-of-interest (ROI) and sampling progress within ROI during the sampling process
- Stereological designs: Cavalieri, Isotropic uniform random (IUR) sampling , Vertical sections (VUR), Physical Disector/Fractionator

Geometrial probes and estimators:

- Point and line probes
- 2-D and 3-D counting frames
- Rotator, 2-D and 3-D Nucleator
- Point sampled intercepts

Physical disector and fractionator:

- Visual or automated alignment of section pairs
- Live or unattended sampling of paired fields of view
- Customized extended field of view in look up section
- Conn Euler analysis
- Handling of artificial edges

Proportionator:

- Non-uniform random sampling of fields based on the content of selected feature(s)
- Can be combined with all available probes
- Automated calculaton of the weight-corrected counting result

Non-stereological probes:

- Mean cord lenght
- Mean linear intercept
- Perimeter
- 2-D distance measurement

Counting:

- Define up to 30 different counting marks
- Count different objects simultaneously
- Automatic logging of count and sampling data during the counting process