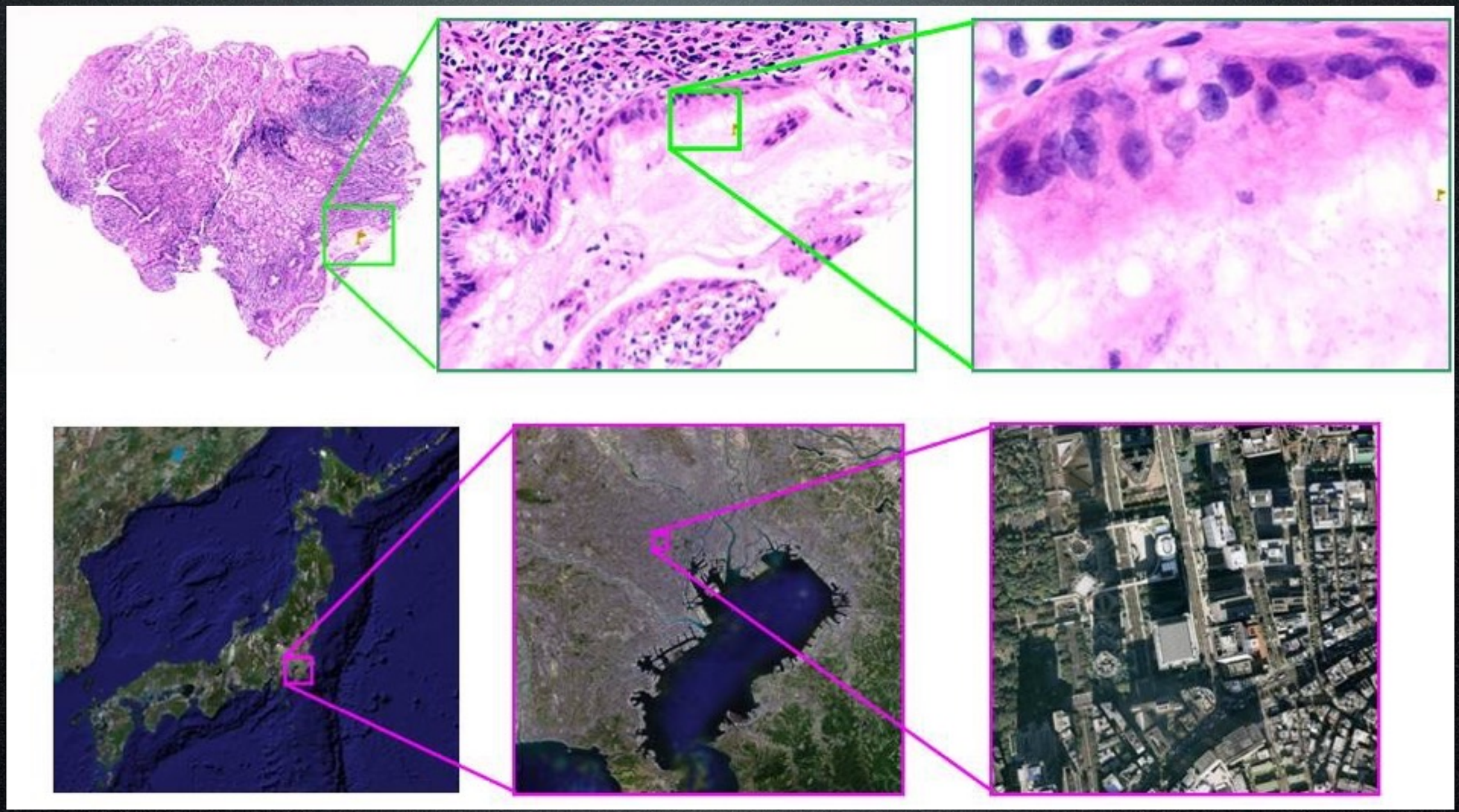
OLYMPUS VS120

Virtual Slide System

Virtual Slide System

Just Like Google Map



VS120

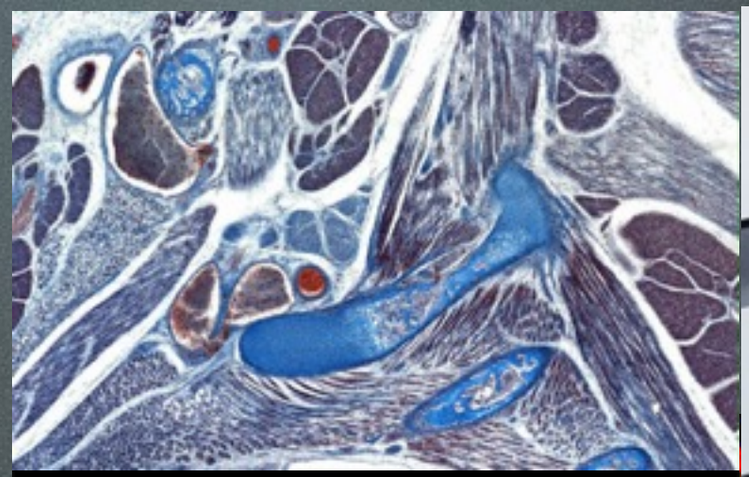
1.Hardware

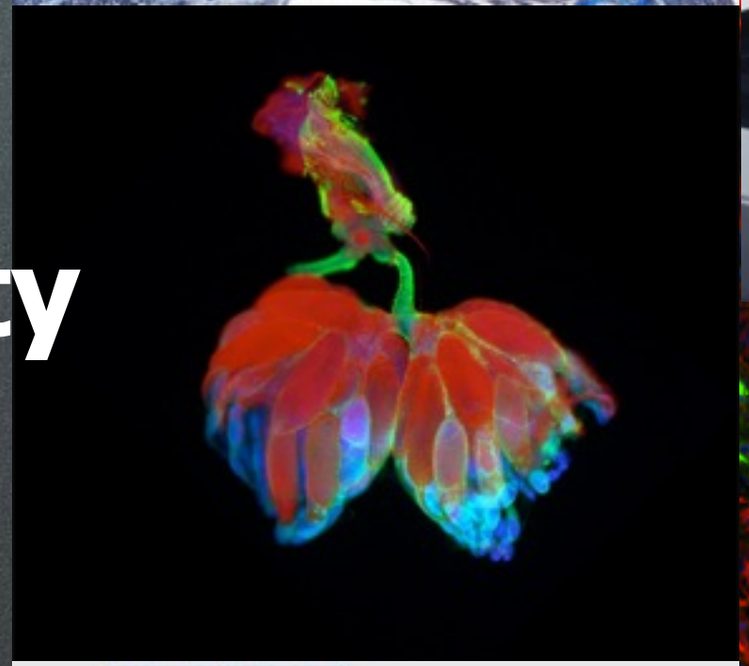
2.Software

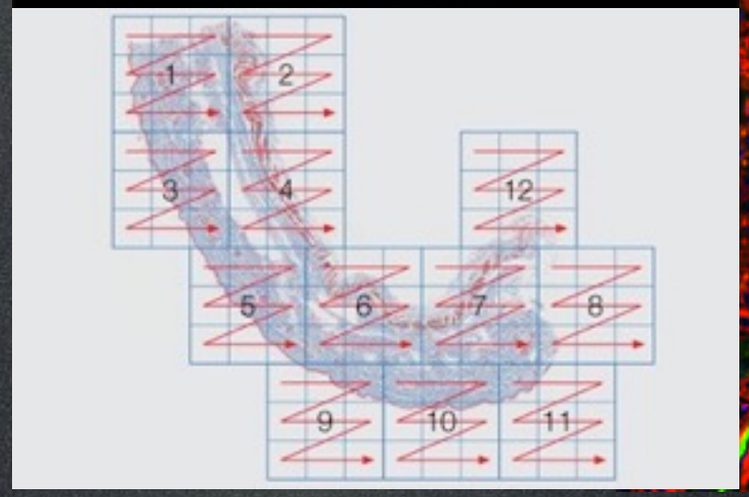
3.Expandability

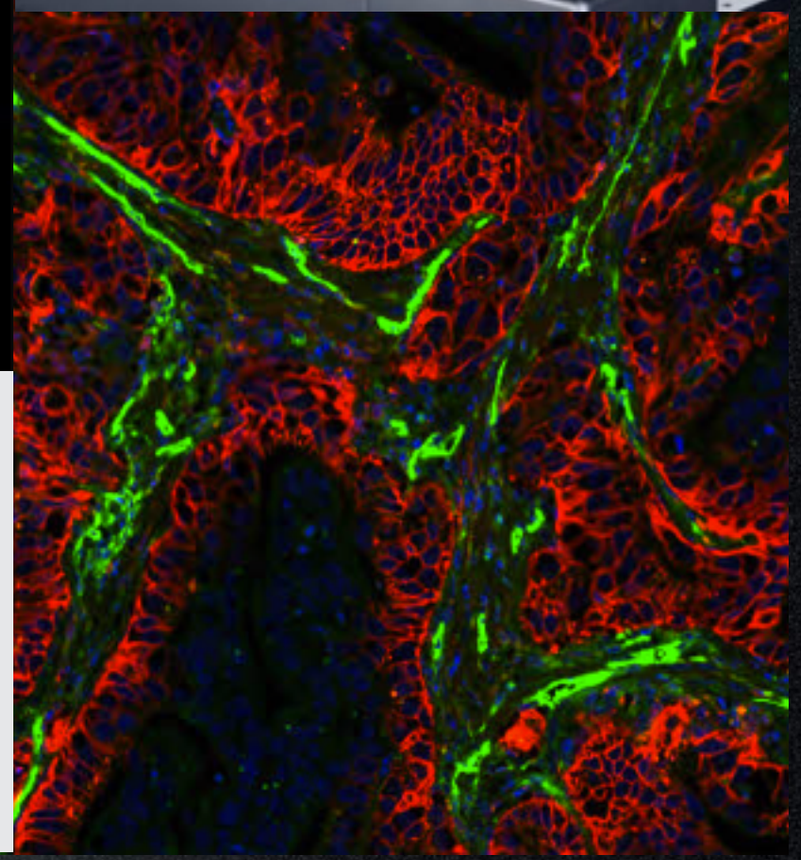
4.Analysis

5.Summary









VS120-Concept

1.Image quality

2.User Experience

3.Expandability

Image quality

Objective

CCD

Scan method

1.1 Objective

UPLSAPO40X

NA 0.95

0.137um/pixel

預覽用鏡頭

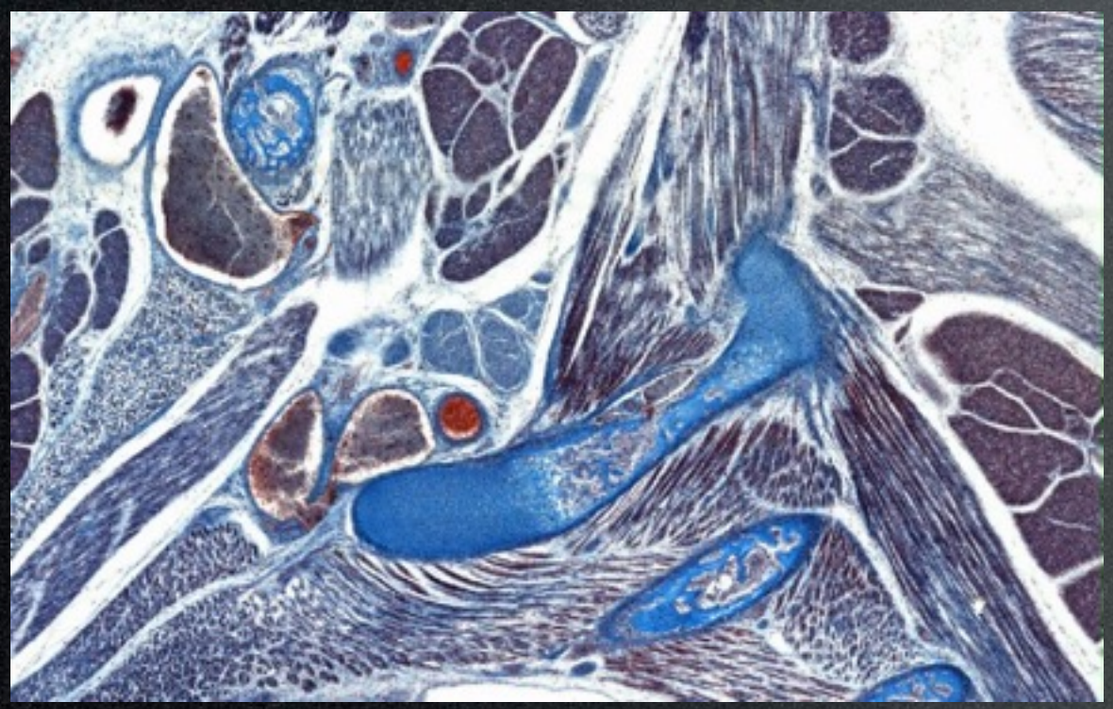
1.2 Bright field Imaging CCD

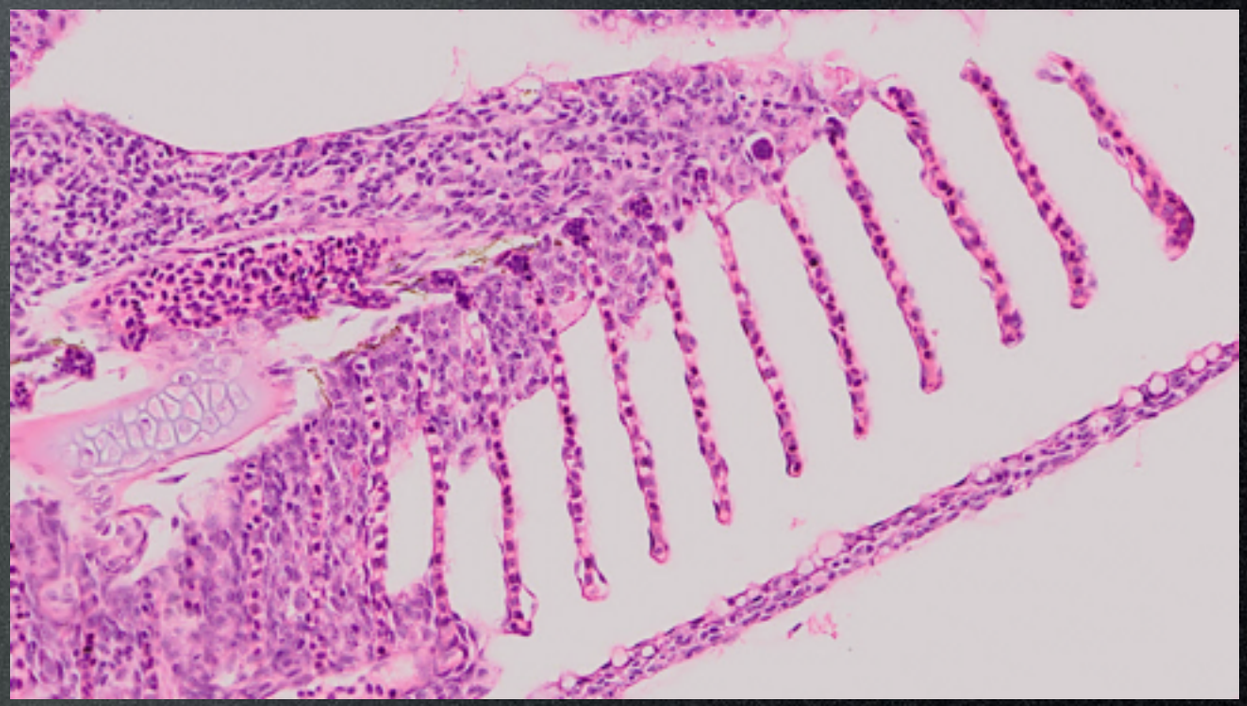
Sensor: Sony ICX 625

Resolution:2452 x 2054

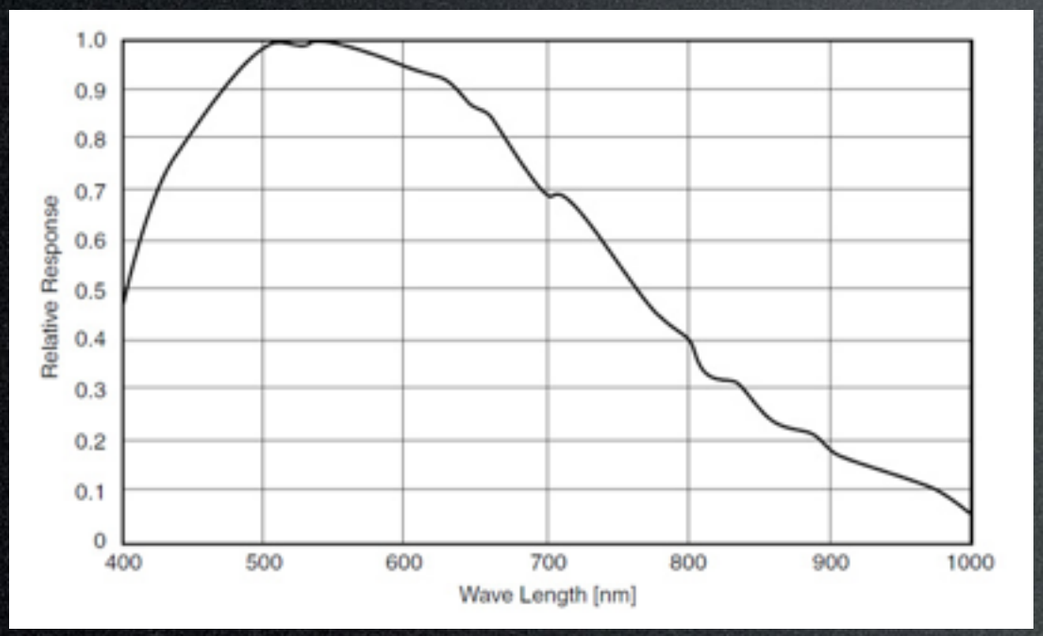
Pixel size: 3.45 x 3.45µm

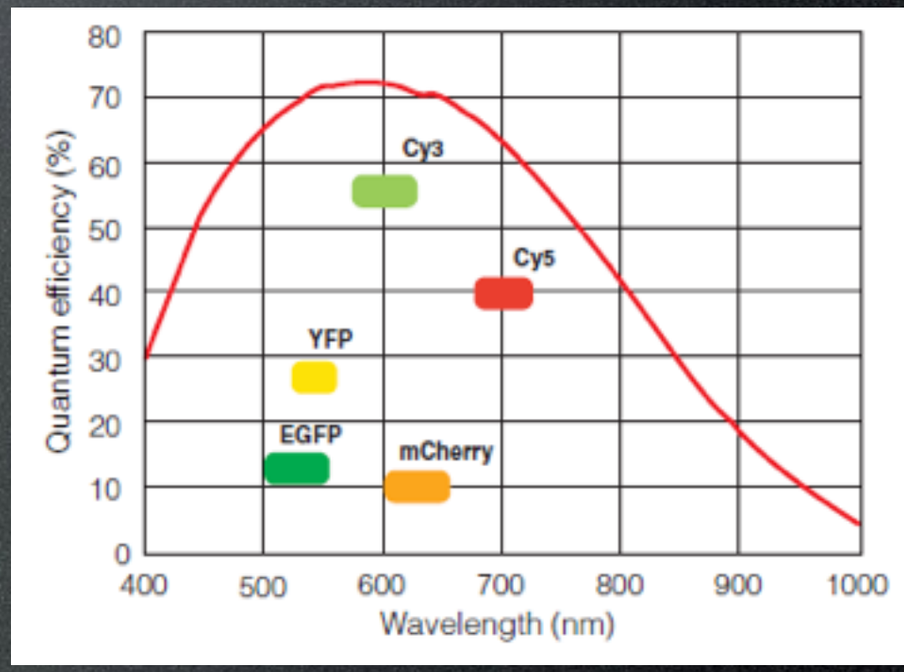
Analog-to-Digital Converter 14 bits





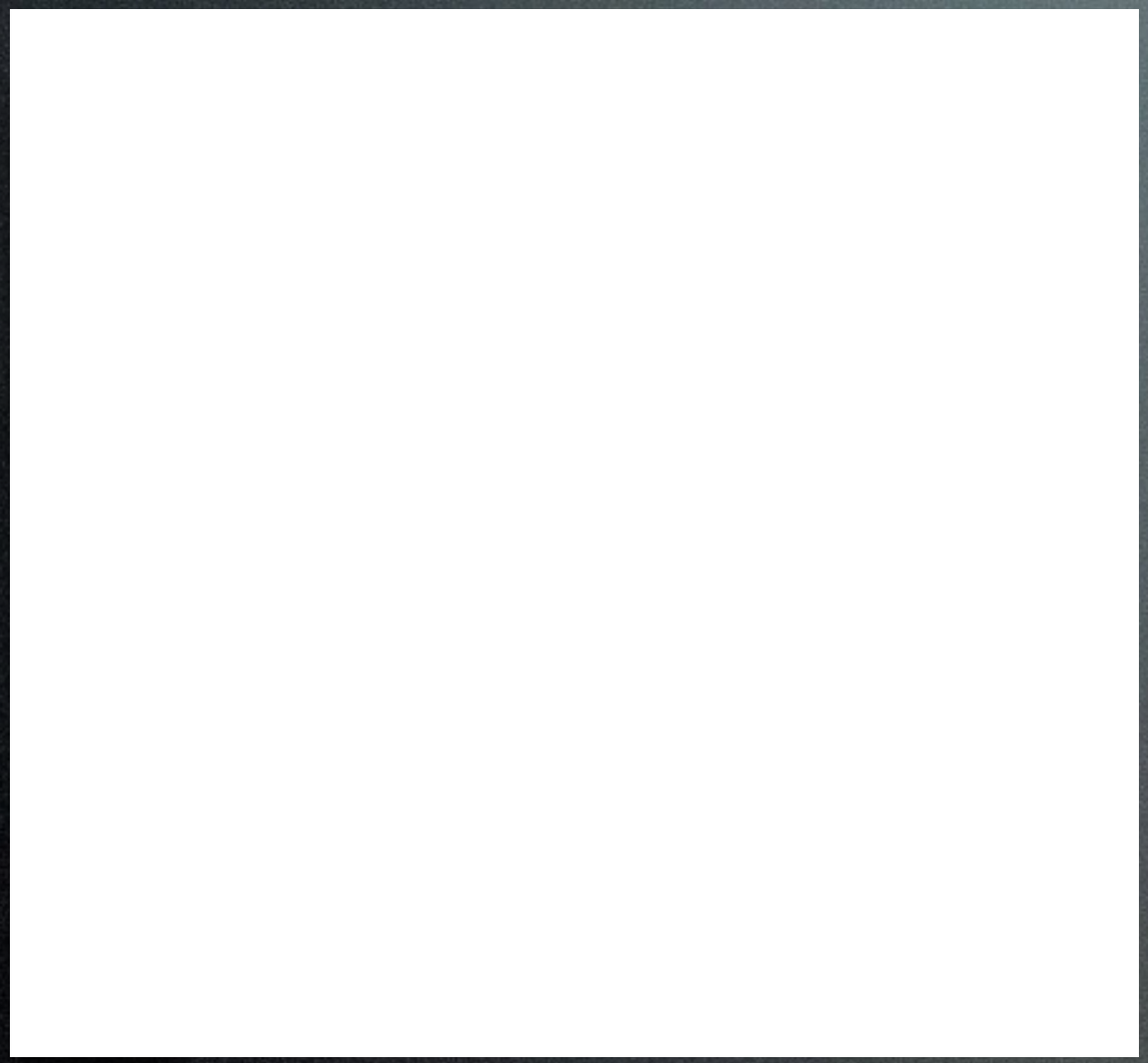
1.3 Fluorescence Imaging CCD





1.4 Scan method

Line sensor method



Speed: ◎

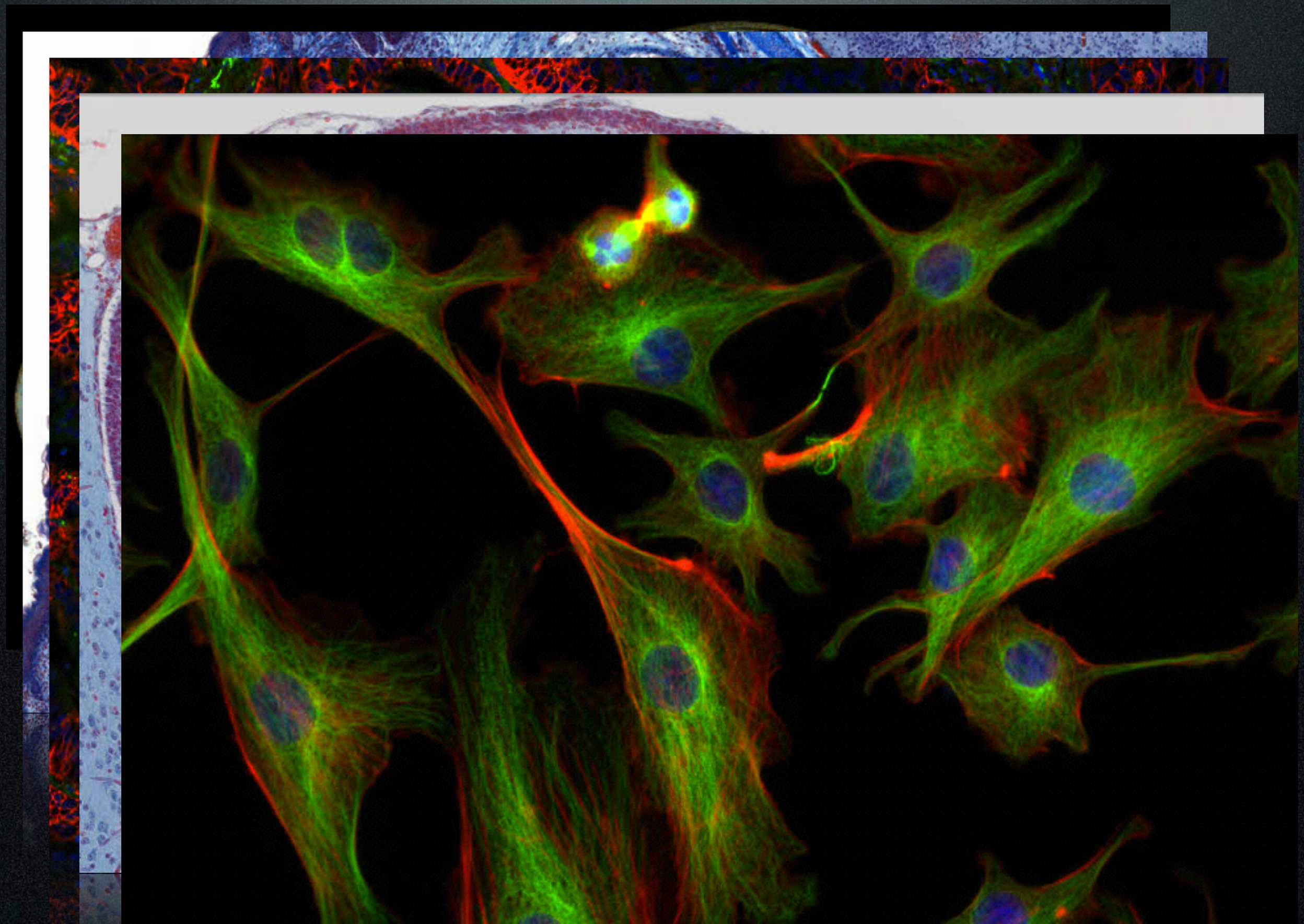
Resolution: △

Area sensor method

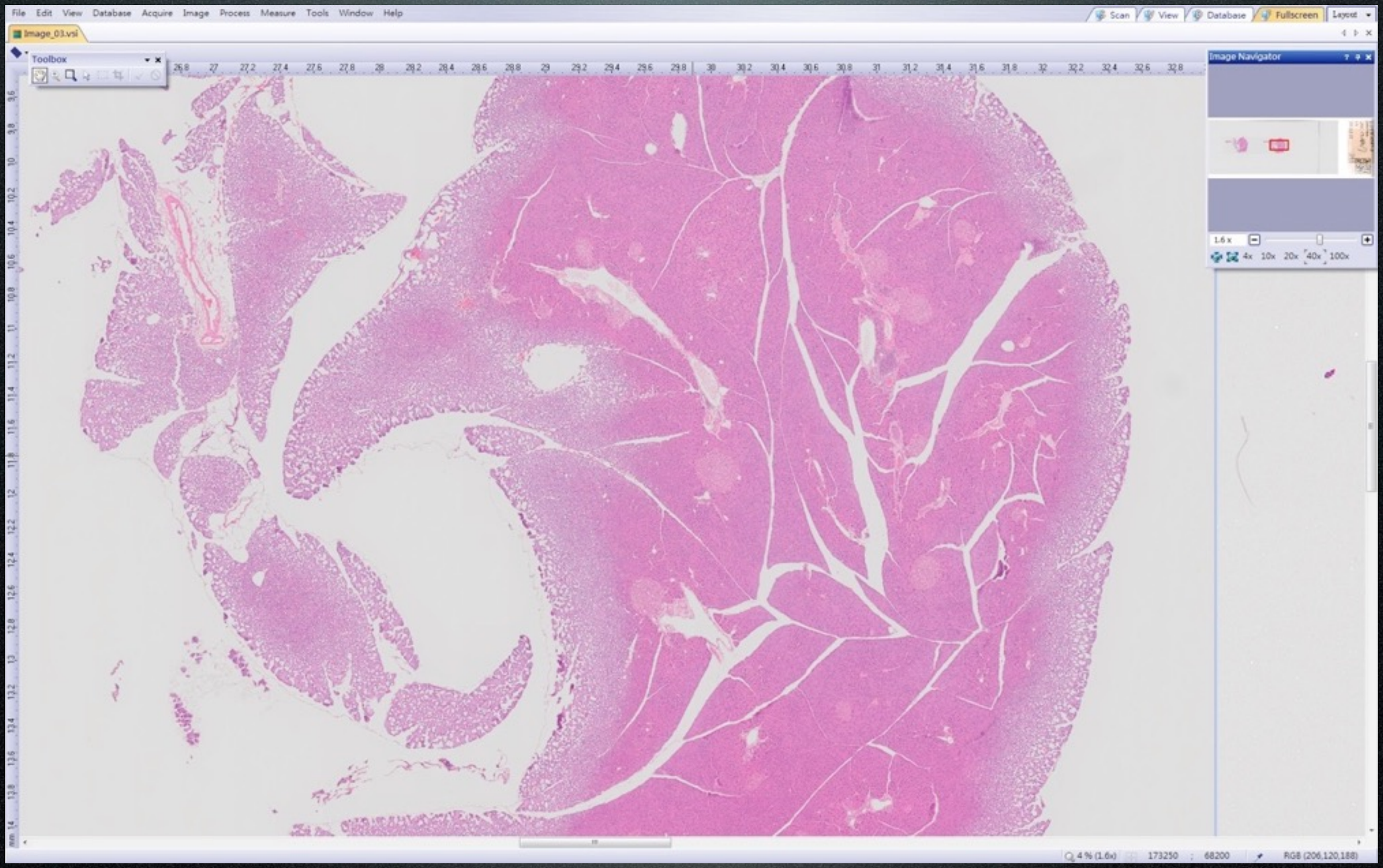
Speed:○

Resolution: ◎

VS120 BF/FL Images



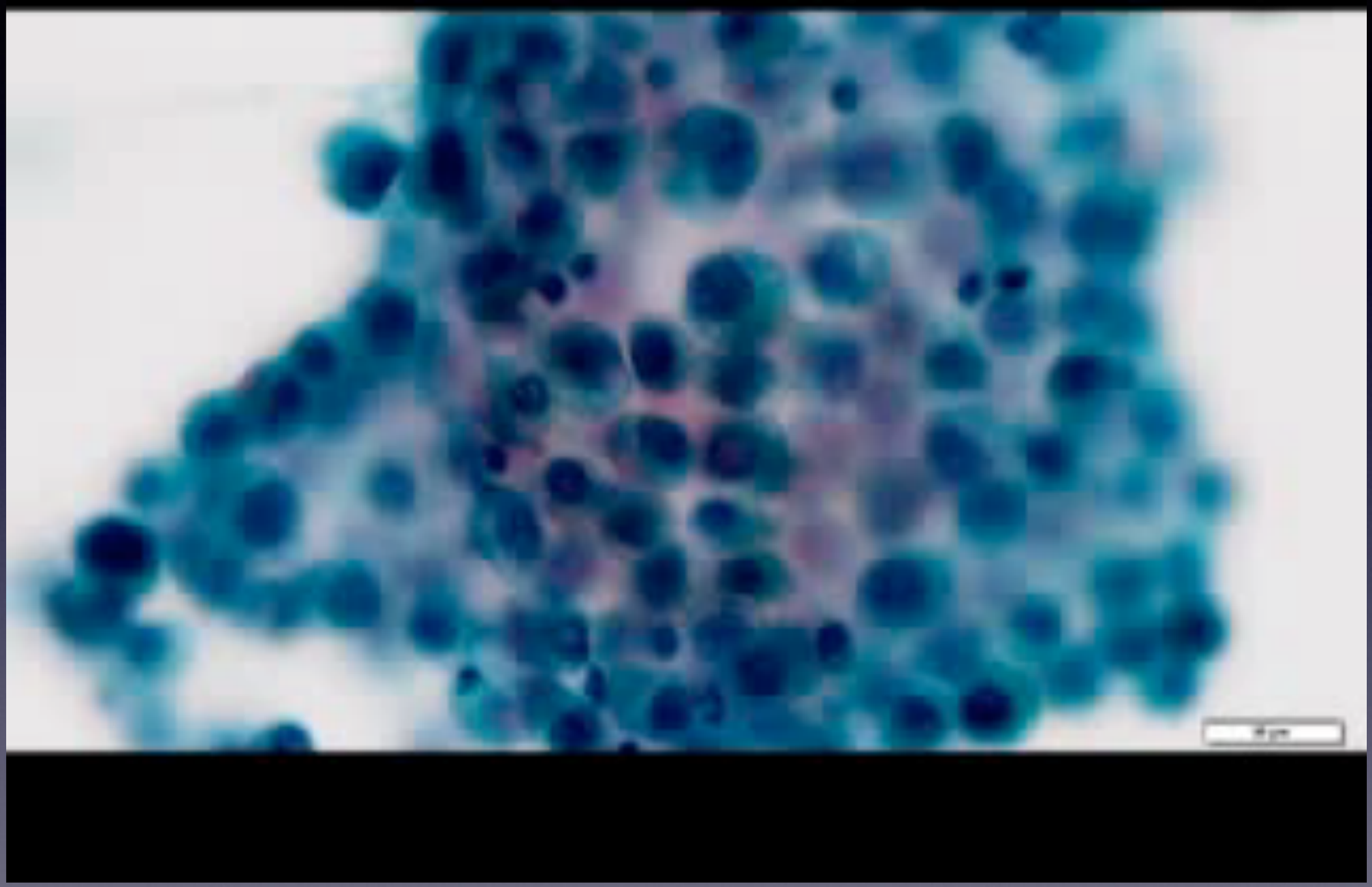
2-1 Software GUI



Easy to use, flexibility

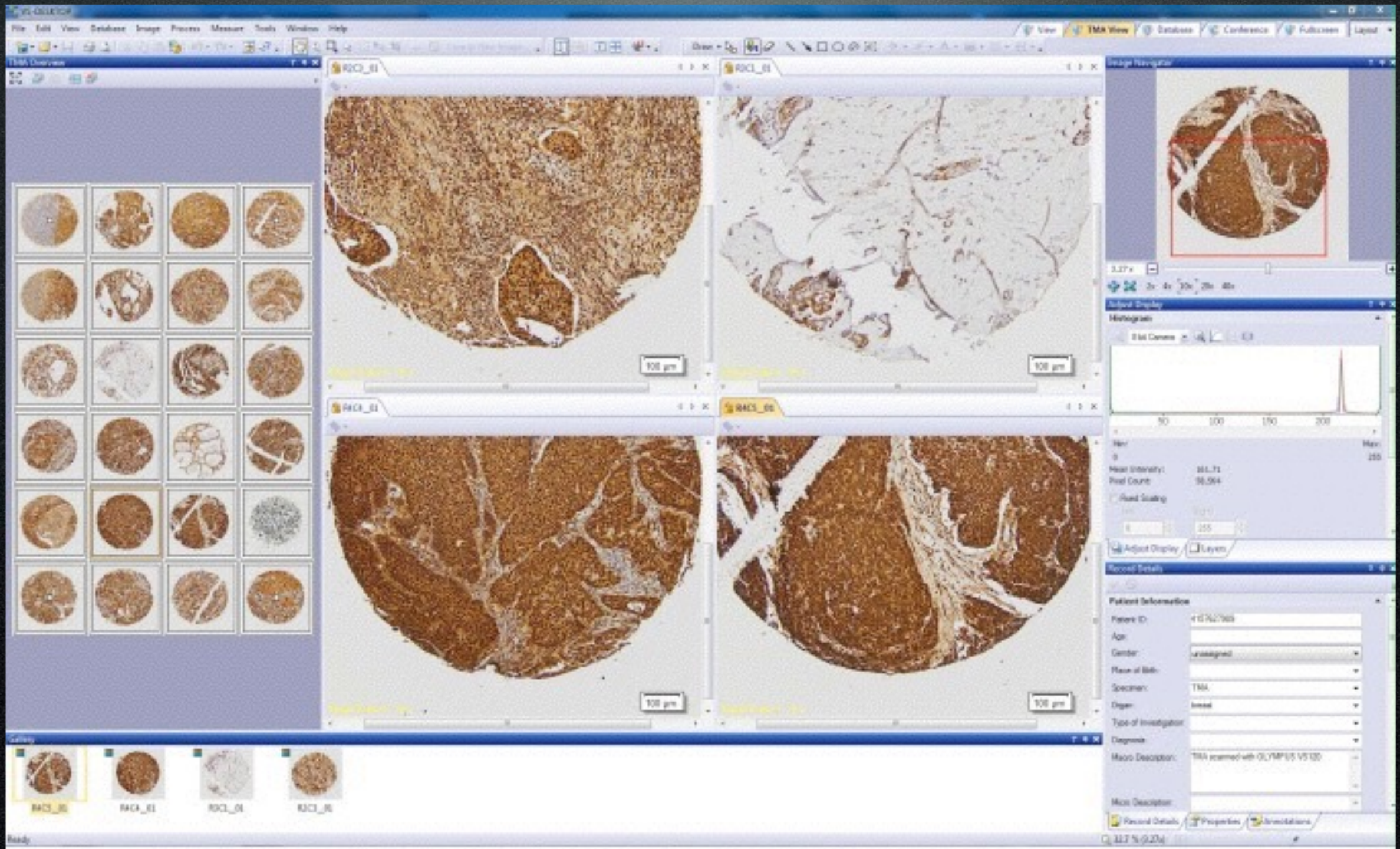
2-2 EFI(Extended Focal Image) scan

2-3 Virtual-Z scanning



VS120 Z-stack Virtual Slide image

2-4 TMA(Tissue Micro Array) scan



Expandability

Network server

Observation method

Fluorescence

Analysis software

100 slides loader

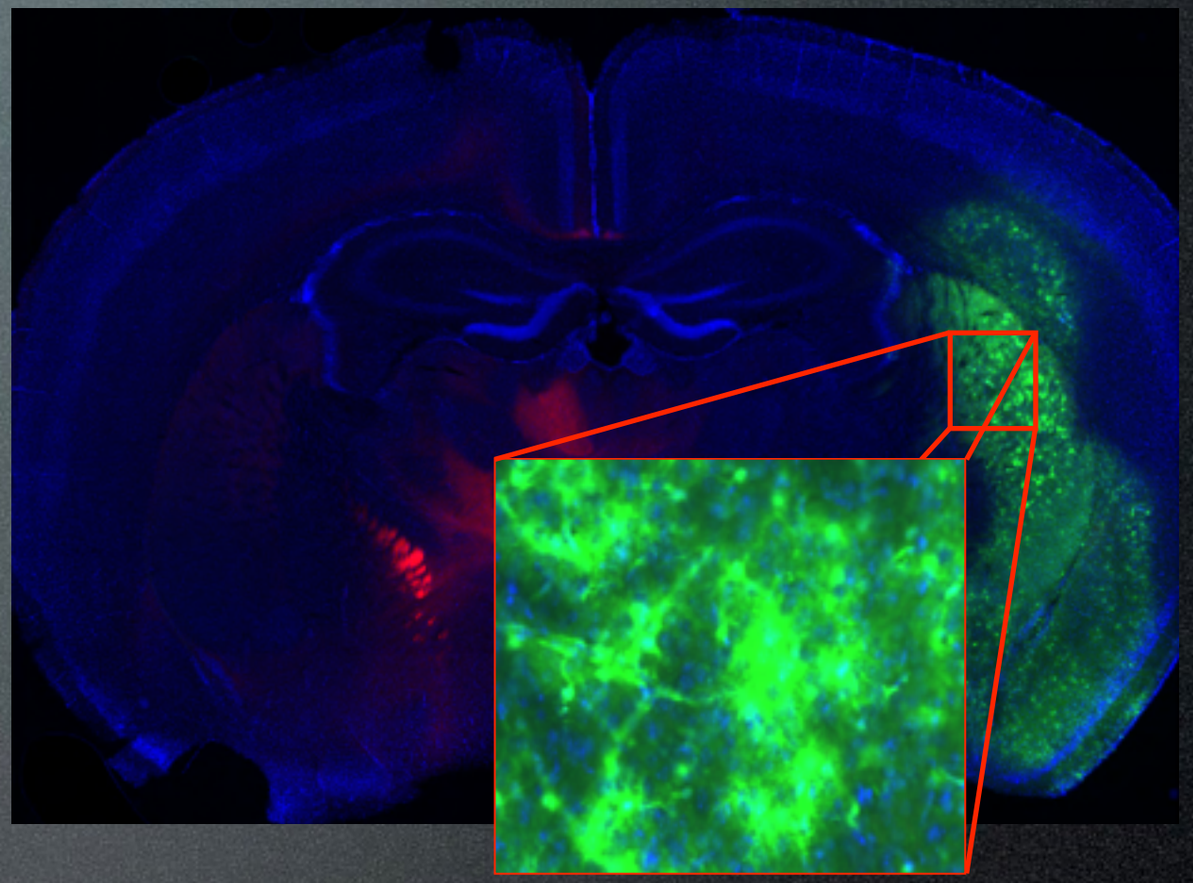
3-1 1 to 6, or 1 to 100 slides

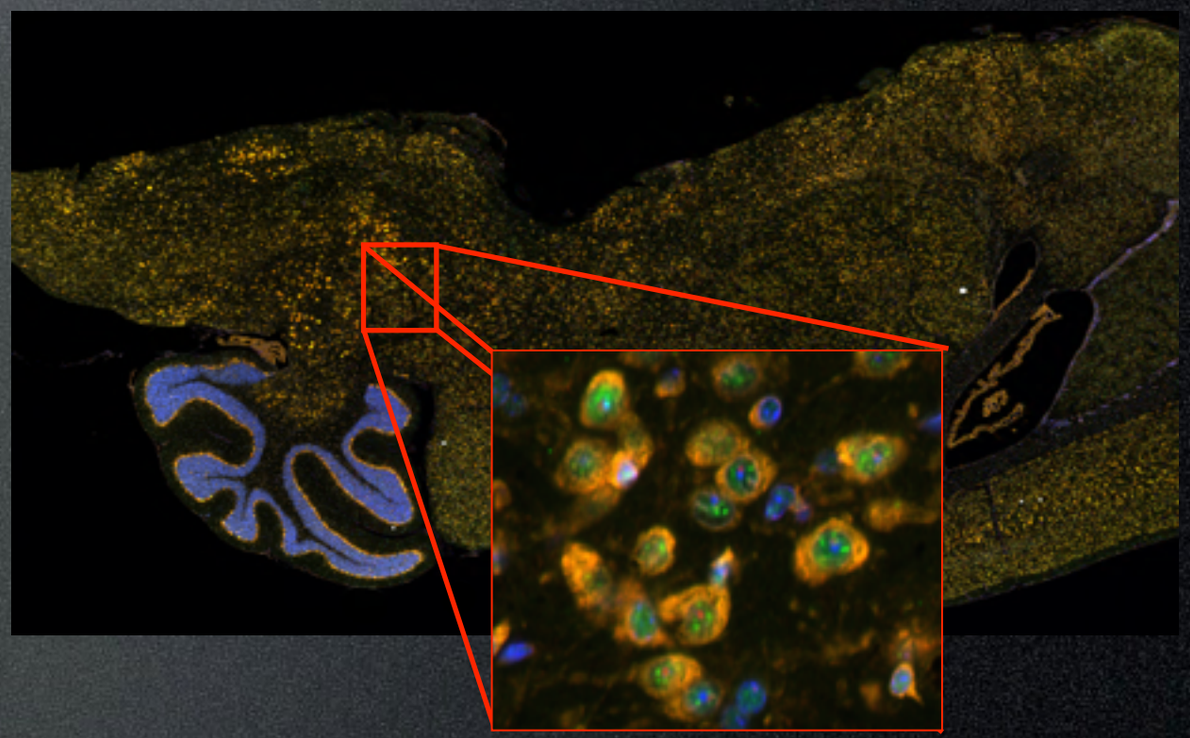
3-2 Fluorescence image

Fluorescence

8 different filters

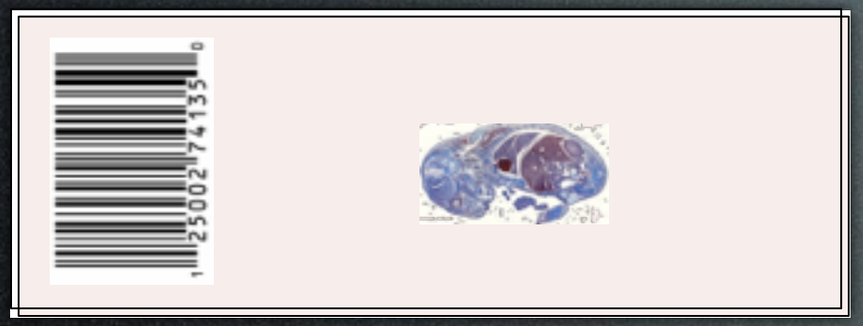
High-speed wheel

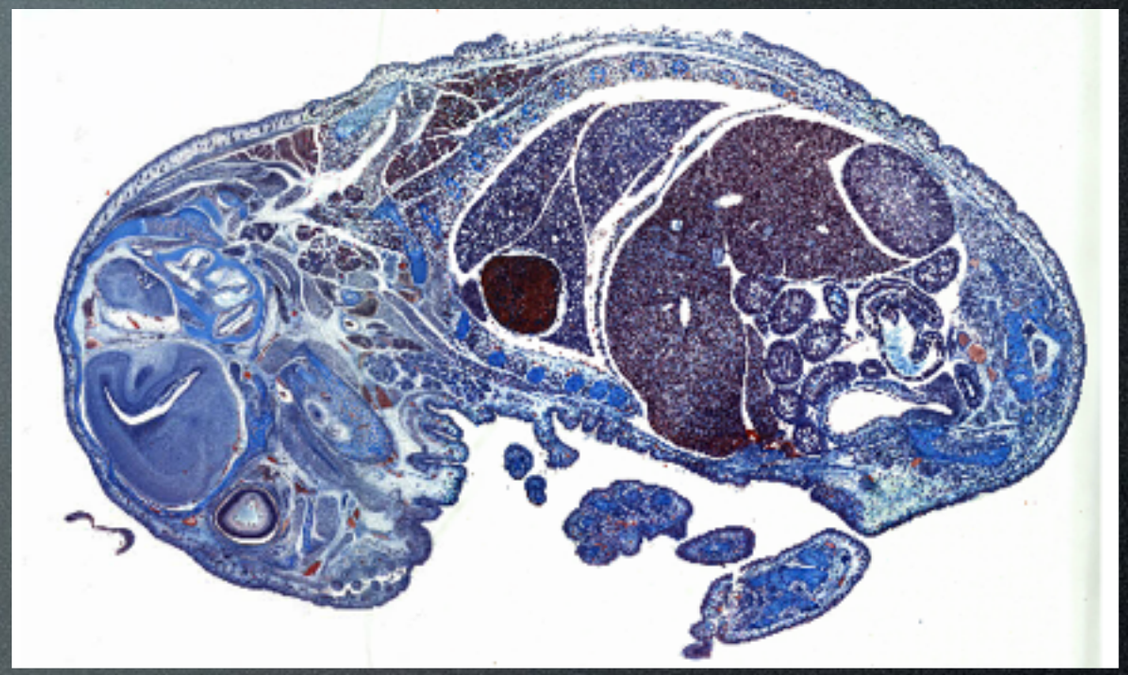




3-3 Objectives, filters, methods

4-1 Analysis software

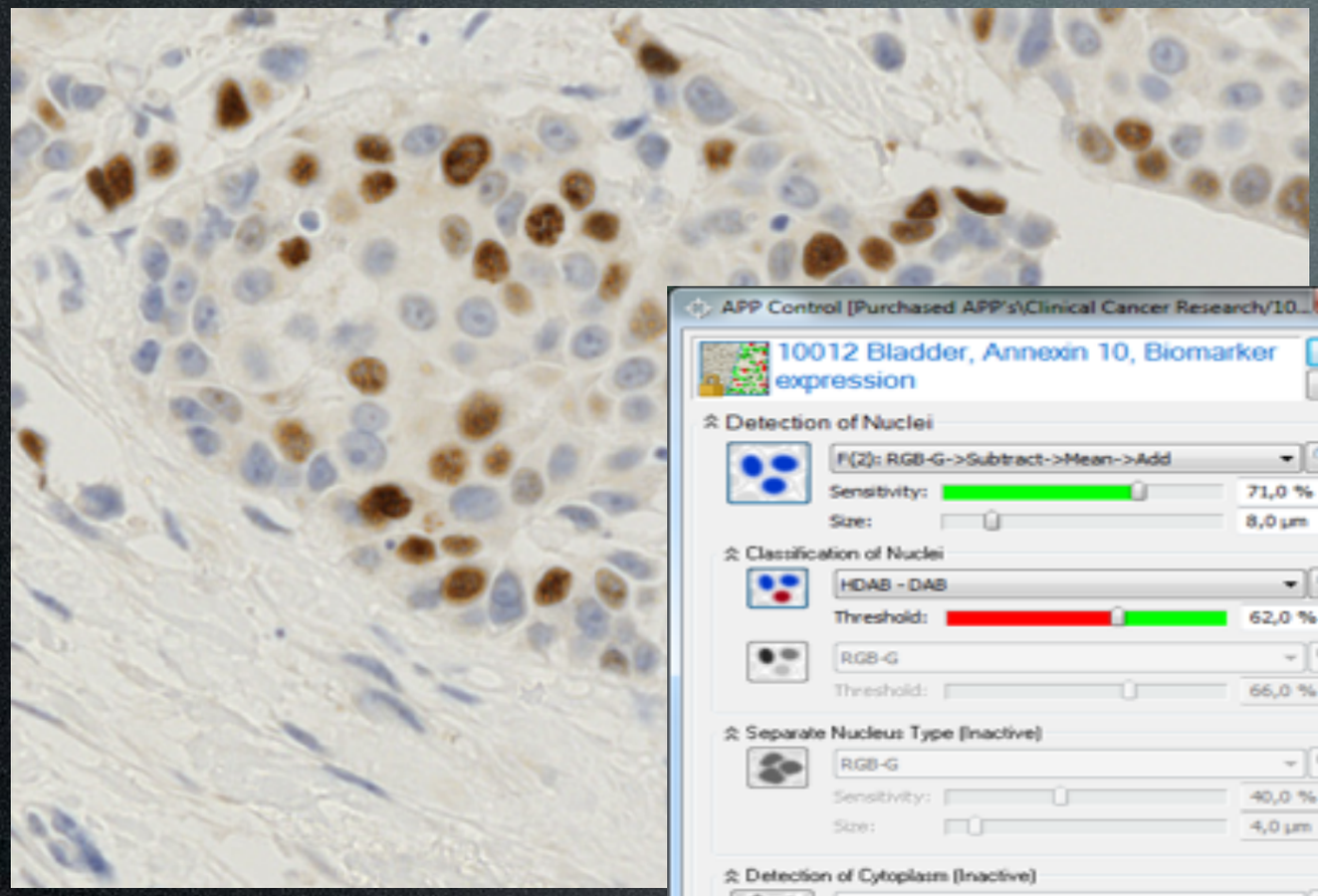




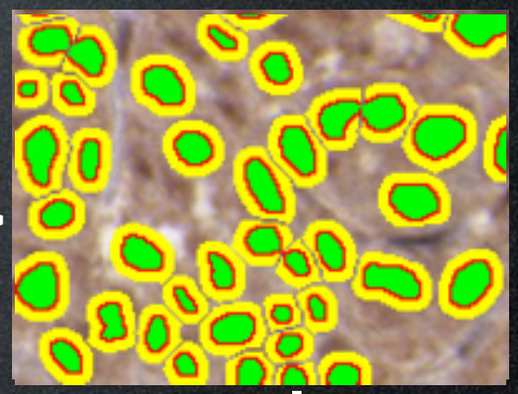
Documentation

Image Analysis ⇨ Useful Data

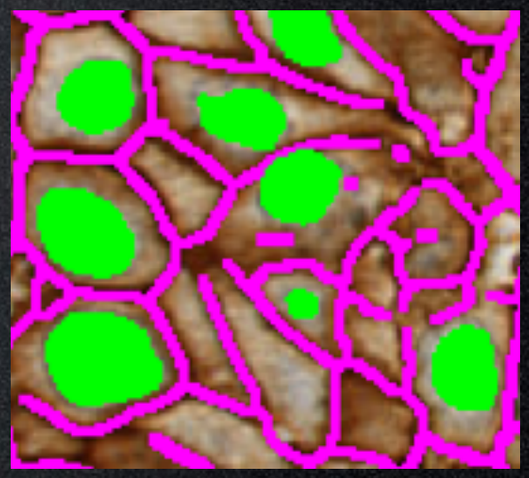
4-2 Image Analysis



nuclei



cytoplasm



membrane

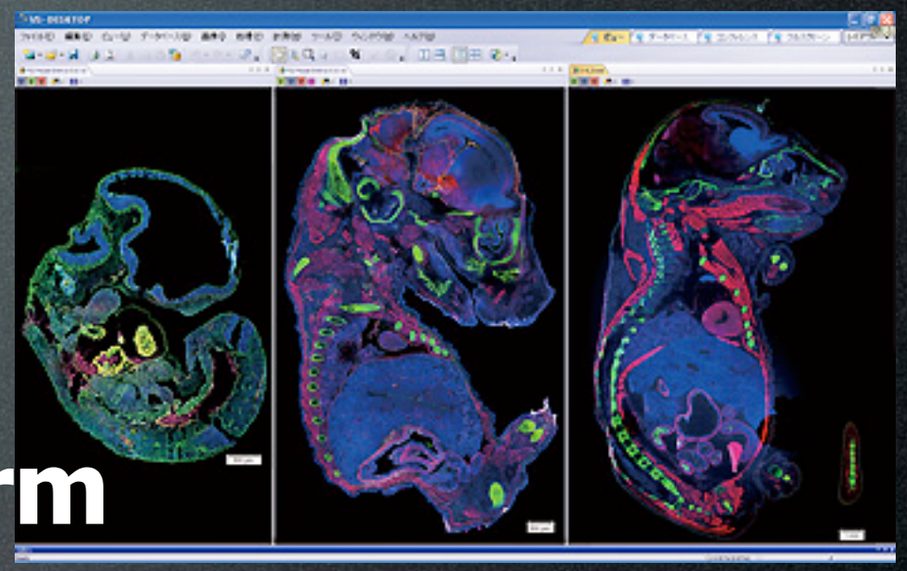
Summary

OLYMPUS VS120

1.The excellent image quality

2.Real microscope scanner

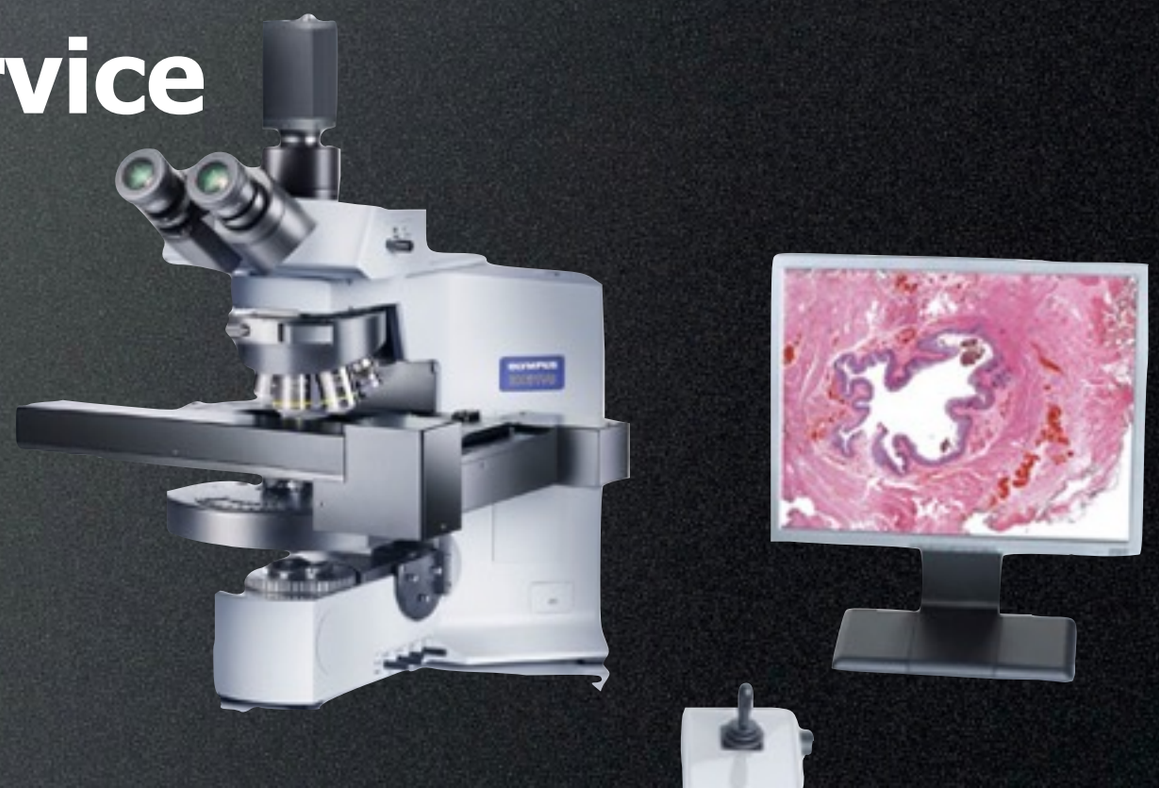
3.Powerful, expendable platform



4.Multiple observation method

5.On-site support and service

6.Free software upgrade



Thank you for your time!