

HyperSpectral Imaging Microscope (HSIM) Visible/Near-Infrared

Hyperspectral imaging microscope technique combines the advantages of hyperspectral imaging (HSI) with microscopic imaging.

HSIM can not only provide both spectral and spatial information about substances but also provide their chemical information at the molecular or cellular level.

Therefore, HMI techniques have great potential in nondestructive evaluation of samples in medicine, pathology, pharmaceutical, life science, food industry, etc.

PRODUCT SPECIFICATIONS



www.specam.ir

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Www.Partoafzar.ir

Key Features

Camera Resolution : 2178 X 3860 pixels

Spectral Range (nm) : Sensitive from 400 to 1000 nm

Spectral Resolution : 10nm spectral resolution (60 Spectral channels)

Imaging Method : Fast global mapping (Snapshot)

Spatial Resolution : High spatial resolution (limited by the microscope objective NA)

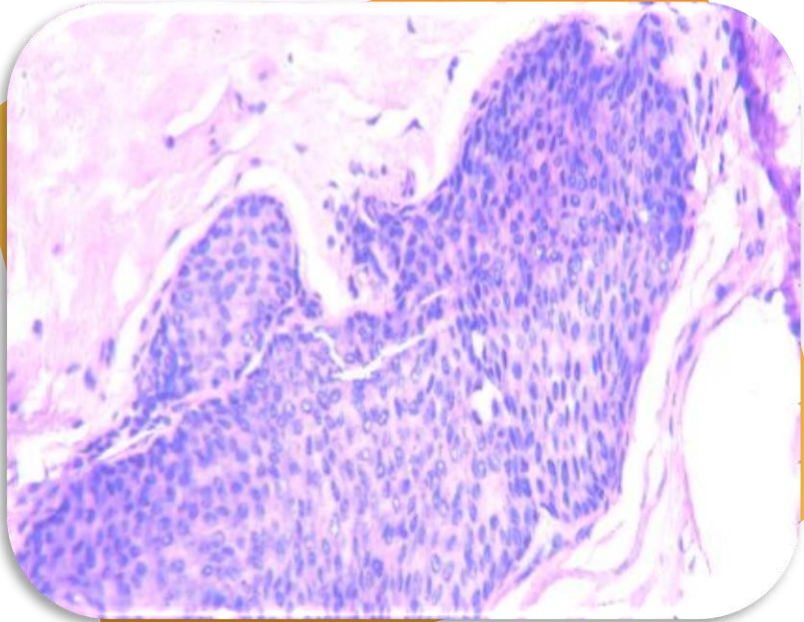
Size : 410mm X 310mm X160 mm

Weight : ≈ 15 kg (without microscope)

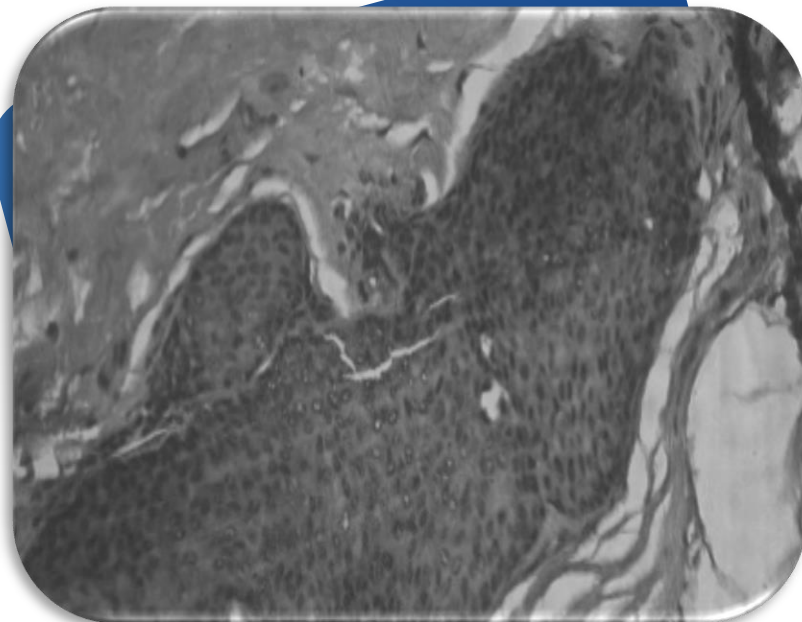
Customization : Customization available (Use your own microscope)

Complete System : Source, Microscope, Camera, Software

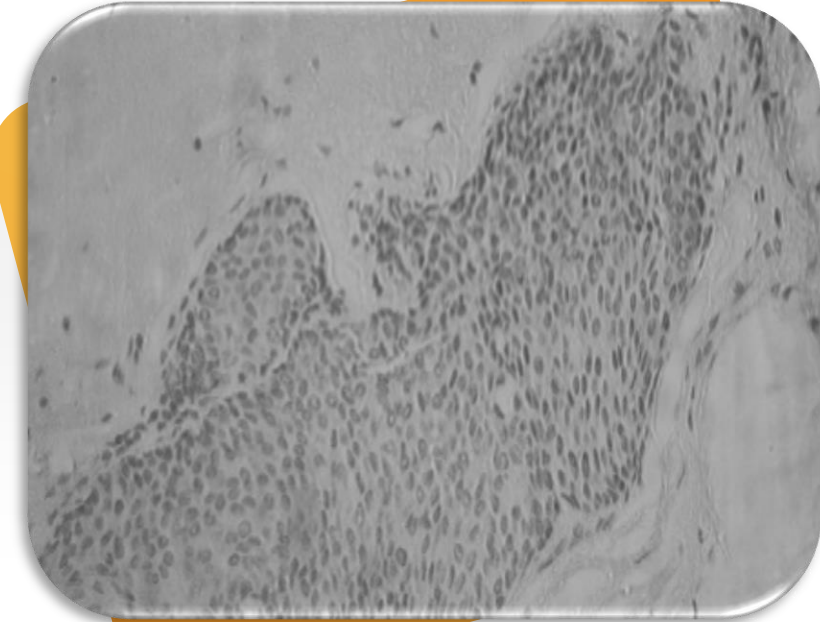
Case study on a non-stained breast tissue to discriminate between tumour and non-tumour samples



RGB Image



530 nm



670 nm