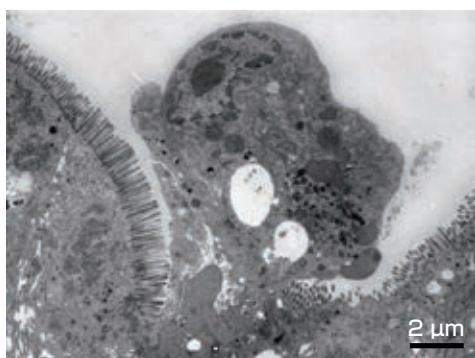


Hitachi 120 kV TEM, RuliTEM HT7800 series

RuliTEM : Innovation, Performance, and Reliability The NEXT Generation 120 kV Transmission Electron Microscope.

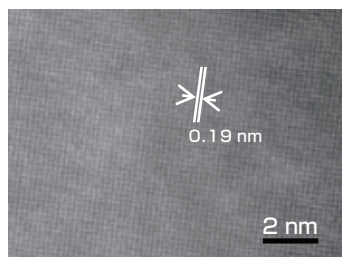


- High contrast biological specimen observation

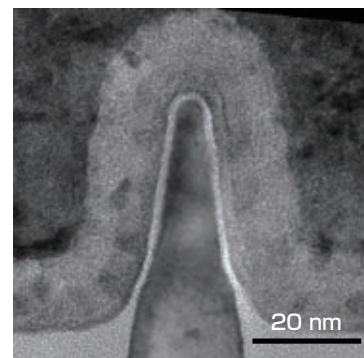


Specimen : Rat jejunum (unstained)
Instrument : HT7800, Acc. Vol. : 80 kV, Mag. : x2,000
Specimen courtesy of Prof. Akira Sawaguchi,
Faculty of Medicine, University of Miyazaki

- High resolution imaging of materials and device



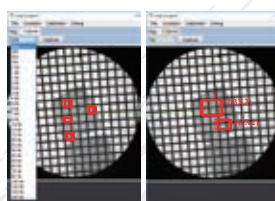
Specimen : Si single crystal
Instrument : HT7830,
Acc. Vol. : 120 kV,
Mag. : x1,000,000



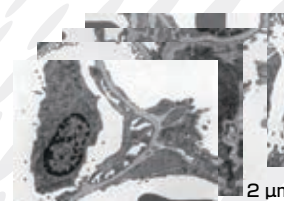
Specimen : 22 nm node FinFET device
Instrument : HT7830,
Acc. Vol. : 120 kV, Mag. : x300,000

- New “Image Navigation” function for intuitive field searching

Specify ROI in low-mag image and easily capture at desired magnification



Point Area
Selecting positions
for image acquisition



Sample : Rat Kidney (Stained)
Instrument : HT7800
Acc. Vol. : 80 kV, Mag. : x5,000 (4 images)



General view of HT7800 series

Main Specifications

	HT7800	HT7830
Accelerating voltage	20-120 kV	
Resolution(Lattice)	0.20 nm Off-axis, 100 kV	0.19 nm On-axis, 120 kV
Magnification	x600,000	x1,000,000
Maximum tilt angle	± 70°	± 10°