

120 kV 透過電子顕微鏡 HT7800シリーズ

120 kV TEM RuliTEM HT7800 series

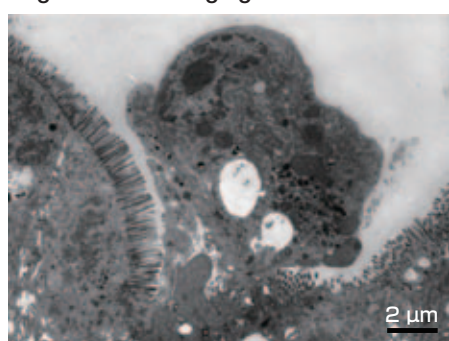
革新的な操作性で幅広い分野の要求に応える次世代TEM「*Ruli*TEM」

*Ruli*TEM: Innovation, Performance, and Reliability The NEXT Generation 120 kV Transmission Electron Microscope.



Science for
a better tomorrow

● 高コントラスト観察
High contrast imaging



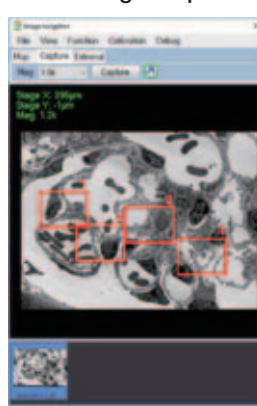
Rat jejunum (unstained)

Instrument : HT7800,

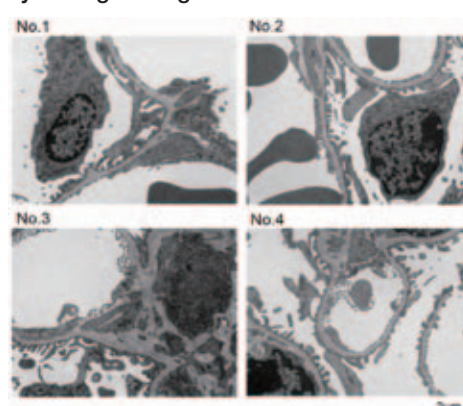
Vacc. : 80 kV, Mag. : x2 k

Specimen courtesy by Prof. Akira Sawaguchi,
Faculty of Medicine, University of Miyazaki

● “Image Navigation” による自動撮像
Auto-image acquisition by “Image Navigation”.



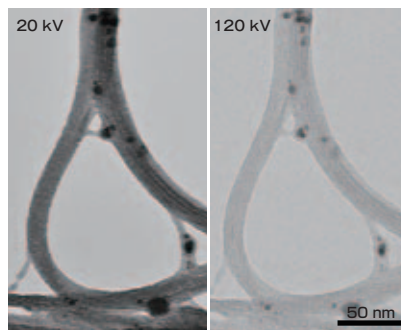
Selecting positions
for image acquisition



Rat Kidney (Stained)

Instrument : HT7800

Acc. Vol. : 80 kV, Mag. : x5 k (4 images)

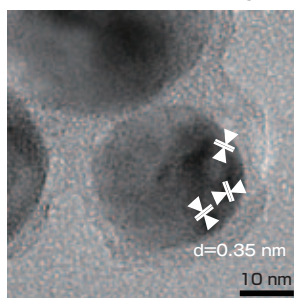


SWCNT

Instrument : HT7820

Mag. : x50 k

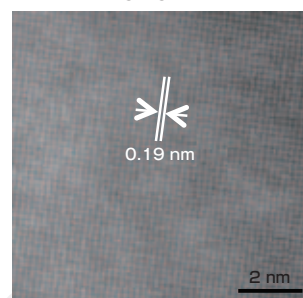
● 高分解能観察 High resolution imaging



Titanium oxide

Instrument : HT7820,

Vacc. : 120 kV, Mag. : x400 k

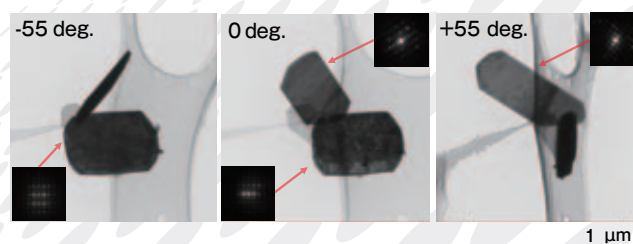


Si single crystal

Instrument : HT7830,

Vacc. : 120 kV, Mag. : x1,000 k

● グリッドローテーションホルダによる高角度傾斜観察
Highly tilt imaging using grid rotation holder



Molybdenum
oxide
Instrument:
HT7820,
Vacc. : 120 kV,
Mag. : x10 k

主な仕様 (Main Specification)

	HT7800	HT7820	HT7830
Acc. Vol.	20-120 kV		
Lattice resolution	0.20 nm Off-axis, 100 kV	0.14 nm Off-axis, 120 kV	0.14 nm Off-axis, 120 kV 0.19 nm On-axis, 120 kV
Max. Mag.	x600,000	x800,000	x1,000,000
Max. tilt angle*	± 70°	± 30°	± 10°

* Using Single tilt holder



HT7800シリーズ外観
HT7800 series

With option