

LABORATORY MICROSCOPE Comparison Sheet							
Manufacturer	CREAT MEDICAL(CHINA)			ZEISS(GERMANY)	HUMAN(GERMANY)	OLYMPUS(JAPAN)	LW Scientific(USA)
Product Model		PX-38	PX-10	Primo Star	Premium	CX-21	Mi5
Appearance							
Eyepieces		Widefield 10X( $\mu$ 20mm)	Widefield 10X( $\mu$ 22mm)	Widefield 10X( $\mu$ 18/20mm)	Widefield 10X( $\mu$ 20mm)	Widefield 10X( $\mu$ 18mm)	Widefield 10X( $\mu$ 20mm)
Objectives		Infinity Planachromatic 4x, 10x, 20x, 40x, 100x (oil)	Infinity Planachromatic 4x, 10x, 40x, 100x (oil)	Infinity Planachromatic 4x, 10x, 40x, 100x (oil), Plan-Achromat 40x/0.65 Ph2	Infinity Planachromatic 4x, 10x, 40x, 100x (oil)	Infinity Planachromatic 4x, 10x, 40x, 100x (oil)	Infinity Planachromatic 4x, 10x, 20x, 40x, 100x (oil)
Illumination		6V/20W /30W halogen/3W LED	3V LED illumination	6V/30W halogen bulb/3W LED	6V/20W halogen bulb/3W LED	6V/20 W halogen bulb/0.5 W LED	20W/30W Halogen or 3W LED
Focusing			minimum division of fine focusing: 2 $\mu$ m.		minimum division of fine focusing: 2 $\mu$ m.	Fine focus graduation: 2.5 $\mu$ m	Fine adjustment: graduation of 2 $\mu$ m
Observation Tube	Type	Binocular, Trinocular	Binocular, Trinocular	Binocular, Trinocular	Binocular, Trinocular	Binocular, Trinocular	Binocular, Trinocula
	Tube inclination	30°	30°	30°	30°	30°	30°
	Interpupillary distance adjustment	53-75mm	53-75mm	48 mm-75 mm	55-75mm	48mm-75mm	50mm-75mm
Nosepiece		Quirtuple	Quadruple	Quadruple	Quirtuple	Quadruple	Quintuple
Stage		184x135mm, X-Y range: 73x43mm.	193mmX155mm, X-Y range: 75mmX50mm	140mmX135mm, X-Y range: 75x30mm.	210mmX140mm, X-Y range: 75x50mm.	120 x 132 mm X-Y range:76 mm x 30 mm	184x135mm, X-Y range: 73x43mm.
Condenser		Abbe N.A. 1.25 (Iris Diaphragm)	N.A.1.25 Rack	Abbe condenser 0.9/1.25	N.A.1.25 Rack	Abbe 1.25 N.A.	Abbe 1.25 N.A.
Filter		Blue, green, ...	Blue, green, yellor...		Blue, green		Blue, green
Dimensions & Weight		10kg	10kg			54x39x24cm, 8.5 kg	39x42x21cm, 10kg