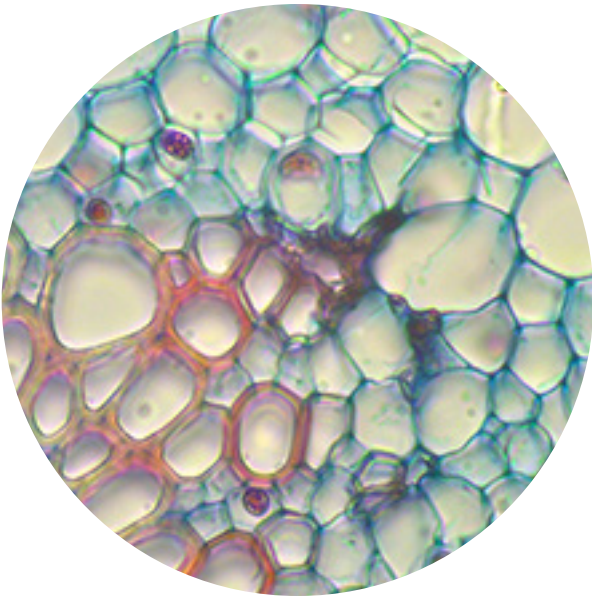


HSX1 Microscopes



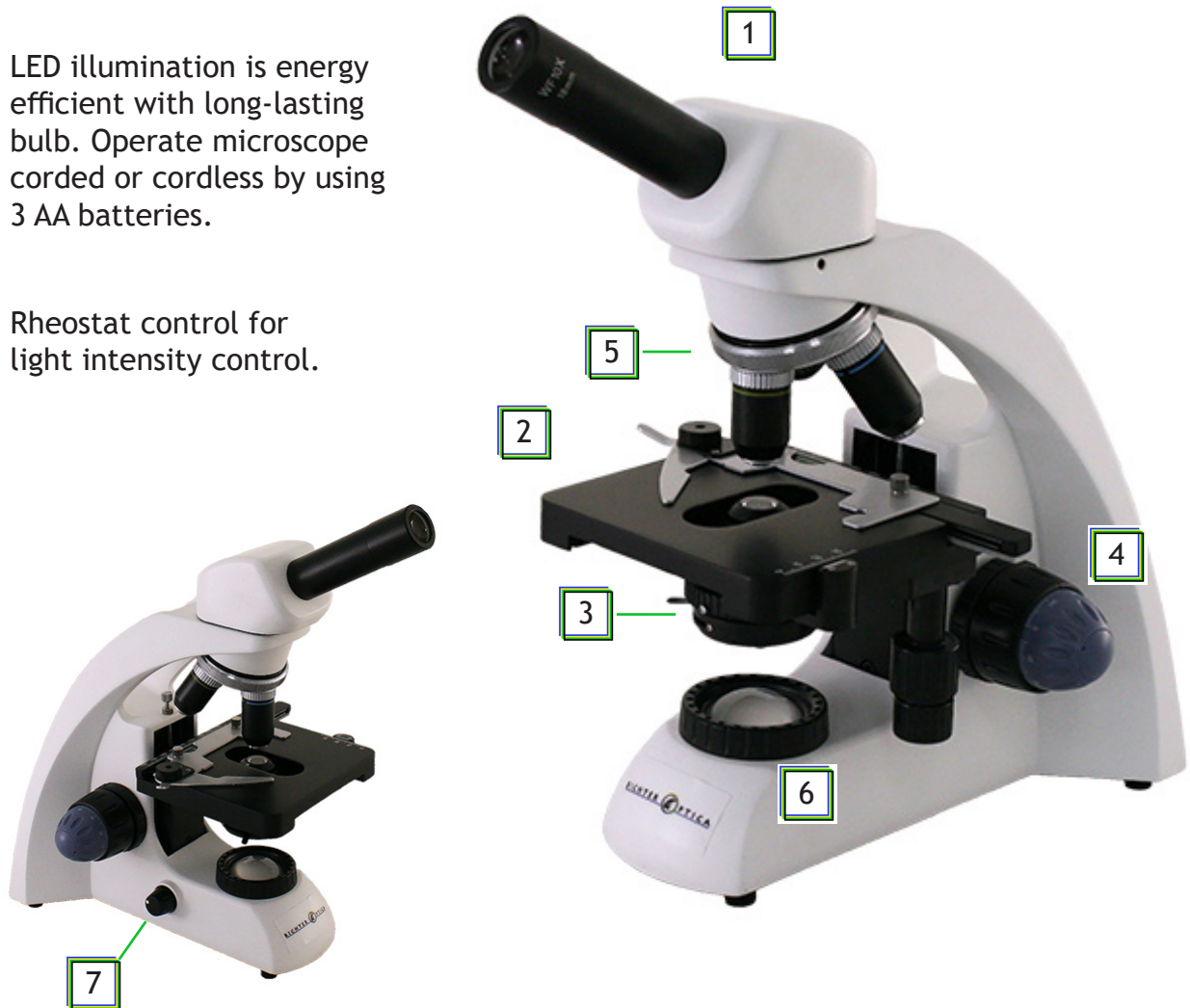


HSX1 Microscope Features

- 1 Ergonomically inclined head with eyetube at 30° places user in the best working position, creating less tension and fatigue. Head rotates 360°.
- 2 Double layer mechanical stage 125mm x 115mm with specimen holder. X-Y travel of 75mm x 50mm. Drop-down right handed controls.
- 3 Abbe condenser is pre-centered and non-removable to maintain factory preset. Image contrast is improved with iris diaphragm and filter holder.
- 4 Coaxial coarse and fine focus adjustment on both sides of microscope. Coarse tension is adjustable. Upper limit rack stop prevents impact between objective and slide.
- 5 Reversed triple nosepiece makes slide changing easy.

LED illumination is energy efficient with long-lasting bulb. Operate microscope corded or cordless by using 3 AA batteries.

- 6
- 7 Rheostat control for light intensity control.

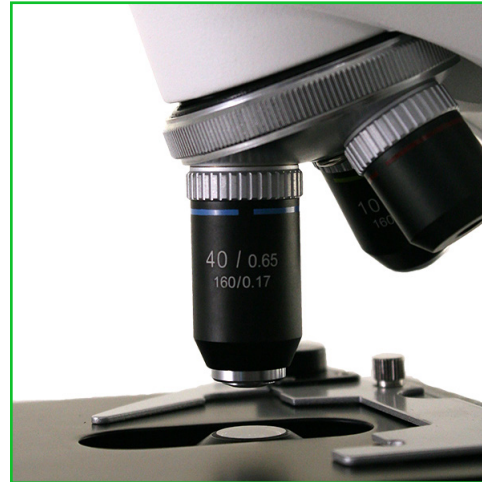




HSX1 Microscope Features

Achromat Objectives

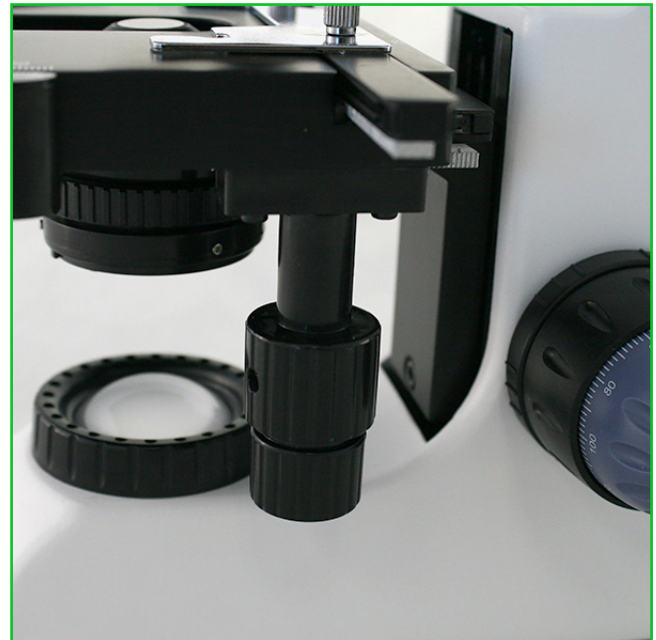
Objective	N.A.	W.D.
4x	0.10	37.5mm
10x	0.25	6.54mm
40xs	0.65	0.63mm



Mechanical Stage



The double layer mechanical stage has a locked-on spring-loaded finger assembly for holding slides. Drop-down right handed controls make X-Y maneuvering simple and ergonomic. Small adjustments in slide position are easy to make.





HSX1 Microscope Features



Precision coarse and fine focusing with tension adjustment for coarse focus to prevent stage drift.



Abbe condenser is pre-centered and non-removable, essentially making it student-proof. Iris diaphragm adjusts light for ideal specimen contrast.



Swing-out filter holder in condenser for color adjustment provides easy access.



Sturdy pyramid frame prevents microscope tip-over. Carrying handle provides safe transportation.



HSX1 Microscope Specifications

Optical System	Finite Color Corrected Optical System
Viewing Head	30° inclined monocular head swivels 360°.
Eyepiece	Widefield eyepiece 10x, FN18, locked on.
Objective Lenses	Achromat 4x, 10x, 40xs.
Nosepiece	Reversed triple nosepiece.
Focus Adjustment	Coaxial coarse and fine focus adjustment with coarse adjustment rack stop and tension adjustment.
Stage	125mm x 115mm mechanical stage with specimen holder. Moving range 75mm (X) x 50mm (Y).
Condenser	N.A. 1.25 Abbe condenser with iris diaphragm and filter holder for 32mm diameter filter.
Illumination	3W LED illuminator with rheostat control, 100V~240V. Can operate on 3 AA batteries. Operates plugged in or cordless.
Frame	Sturdy pyramid shaped solid frame.



info@richter-optica.com
www.richter-optica.com