

Brunel SP20

The SP20 has many features that are normally found on microscopes of a much greater price. The optical parts are made from achromatic corrected glass and are standard Royal Microscopical Society (RMS) size. The monocular head rotates through 360° and has widefield x10 and x20 good quality eyepieces. The triple position rotating turret is equipped with x4, x10 and x40 achromatic RMS objectives, which when used with the eyepieces gives a magnification range of x40 to x800 which is ideal for fish parasites that commonly need magnifications of x10 and x400. The x40 objective has a spring loaded front lens element that retracts the lens into the objective on contact with the slide. In addition the stage has a safety stop with a similar purpose.

The slide platform is a full mechanical stage with drop down coaxial controls that makes fine movement of the stage in the required direction very easy. The double vernier scale also allows position identification on the slide.

The focus system is also coaxial with the coarse and fine focus being ideally placed in a low position towards the back of the microscope body. The focus control moves the stage up and down to achieve focus. Beneath the stage is a fully focusable substage condenser with iris diaphragm that is used to focus the illuminating light in the plane of the specimen, with the iris helping to provide clarity of specimen detail. It may sound complicated, but it is very simple to use in practice and fully illustrated instructions are included.

The SP20 base has inbuilt 240v illumination with rheostat control that allows the intensity of the lighting to be adjusted to suit the magnification in use. Spare bulb included

There is an aluminium case available as an accessory, and the SP20 is supplied with a diagnostic kit that includes slides and coverslips, some simple stains and everything needed to get started with skin scrapes and gill swabs. Including full detailed instructions with pictures of what to look for. Books and accessories can be found using the hyperlinks above.

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