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Product Name :

ESR Rack

Product Code :

SLE/CL/55



Description :

ESR Rack (Product Code: SLE/CL/55) is a complete set-up for measuring erythrocyte sedimentation rate: a stand that holds five graduated tubes still and upright while red blood cells settle through the plasma column. Haematology benches in hospitals and pathology labs, as well as paramedical and MLT training institutes buying lab equipment for college practicals in India, use it for this routine screening test. The set-up is produced in Ambala by a laboratoryinstruments supplier in India, **Jain Scientific Equipments Pvt Ltd (ScienceLab)**.

Specifications

Parameter	Detail
Positions	Holds 5 test tubes
Tube graduation	0 to 200 mm
Tube internal diameter	2.6 mm
Pipette holding	Stand with valves to hold pipettes
Stand material	Stainless steel or plastic
Supplied as	Complete set-up to measure erythrocyte sedimentation rate
Use	Specific to the ESR technique; must be used with appropriate tubes

Typical Use

Well-mixed anticoagulated blood is drawn into a graduated tube up to the zero mark, and the tube is seated in the stand where the valve holds it without leaking. After the reading interval set by the laboratory's own procedure, the technician reads the height of the clear plasma layer above the settled red cells directly from the millimetre scale, and records it as the ESR for that sample. With five positions, a small batch of patients or a group of students can be tested side by side.

Accurate readings depend on setup: place the rack on a level, vibration-free bench away from direct sunlight, fans and heat sources, and make sure each tube stands truly vertical, since even a slight tilt speeds up sedimentation. Rinse reusable tubes promptly after use. Like other manual laboratory instruments in India's pathology labs, the ESR rack gives consistent results only when these simple precautions are followed.

Manufacturer

Jain Scientific Equipments Private Limited makes this ESR set-up in Ambala, Haryana, and sells it under its trading name ScienceLab to hospitals, pathology laboratories and medical training colleges. Details about the company are on our company profile page.

Related Clinical Laboratory Equipment

Items used before, during and after an ESR test:

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