Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Optical Lens Set

Product Code :

SCL-MED-4164

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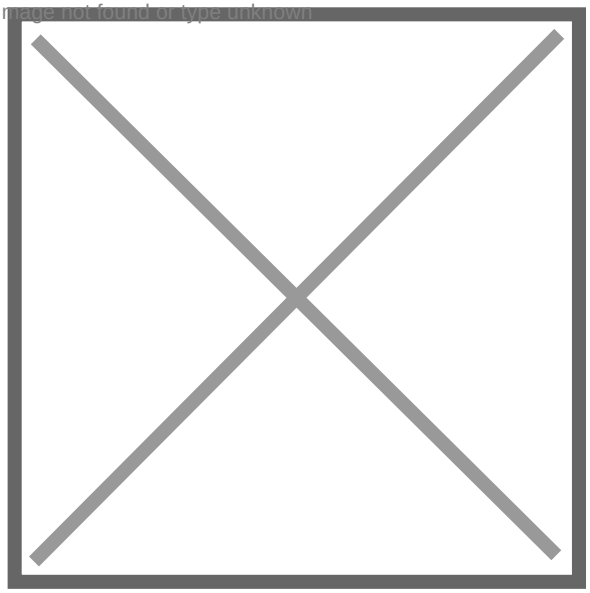

Science Lab
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Description :

Optical Lens Set (Product Code: SCL-MED-4164) is a 225-piece trial lens set used to check refraction and try corrective lens powers in eye clinics, hospital eye departments and optometry colleges. It combines 32 pairs each of convex and concave spherical lenses, 20 pairs each of convex and concave cylindrical lenses, a prism series and a trial frame, in glass and metal. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Total pieces	225
Material	Glass and metal
Rim option	Adjustable optometric metal rim cover available
Spherical lenses	32 pairs each, convex (cx) and concave (cc)
Spherical powers	0.25 to 4.00 in 0.25 steps; 4.50 to 6.00 in 0.50 steps; 7.00 to 14.00 in 1.00 steps; 16.00 to 20.00 in 2.00 steps
Cylindrical lenses	20 pairs each, convex (cx) and concave (cc)
Cylindrical powers	0.25 to 3.50 in 0.25 steps; 4.00 to 6.00 in 0.50 steps
Prisms	Listed values 1/2, 1, 2, 3, 4, 5, 6, 8, 10 and 12
Accessories	Maddox rod, red glass, green glass, stenopaic slit, pinhole, 2 blank discs
Frame	Trial frame included
Documentation	User manual in English
Type	Clinical trial lens set
Lenses	Sphere, cylinder and prism
Includes	Mounting rings, trial frame and case
Product code	SCL-MED-4164
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is a Trial Lens Set Used For?

In subjective refraction the examiner places spherical lenses in the trial frame and changes them step by step until the patient reports the clearest vision, then adds cylindrical lenses to refine the correction for astigmatism. Lens powers in trial sets are read in dioptres, and the 0.25 steps at the low end of this set allow fine adjustments. The prisms are used when checking how the two eyes work together.

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