

20D Aspheric Lens and 4-Mirror Gonioscope Set (4 of Each)

Instructions for Use

Ophthalmic Diagnostic Lens

Intended use

Set of 20D double aspheric lenses for binocular indirect ophthalmoscopy of the retina, and 4-mirror gonioscopy lenses for slit lamp examination of the anterior chamber angle.

Intended users

For use by trained healthcare professionals (ophthalmologists, optometrists and supervised trainees). Follow your facility's protocols and applicable regulations.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations.
- The 20D lens is non-contact; do not place it on the eye.
- The gonioscope contacts the cornea; use topical anesthesia and any coupling fluid according to clinical protocol.
- Clean and disinfect the gonioscope contact surface between every patient per facility protocol.
- Inspect each lens before use; do not use a lens with chips, cracks or a damaged contact surface.
- Use the lowest illumination that gives an adequate view, according to clinical judgment.
- Do not apply pressure to the eye with the gonioscope beyond what your clinical technique requires.

2. Package contents

- 4 x 20D double aspheric lens
- 4 x 4-mirror gonioscope lens
- Protective case for each lens

Check contents on receipt. Report missing or damaged items to sales@scimedstore.com within 48 hours of delivery.

3. Specifications

20D lens	Double aspheric, non-contact, for binocular indirect ophthalmoscopy (quantity 4)
Gonioscope	4-mirror, for anterior chamber angle examination (quantity 4)
Coating	Anti-reflection multi-coated
Cases	Protective case for each lens

4. Unpacking and setup

- 1 Remove the required lens from its case by the rim or handle.
- 2 Check that the lens surfaces are clean and undamaged.
- 3 For gonioscopy, confirm the gonioscope has been disinfected since its last use.
- 4 Set up the binocular indirect ophthalmoscope or slit lamp according to its own instructions.
- 5 Prepare and position the patient according to your clinical protocol.

5. Operation

20D lens with a binocular indirect ophthalmoscope

- 1 Direct the ophthalmoscope light into the pupil from arm's length.
- 2 Hold the lens close to the eye, then draw it back until the fundus fills the lens.
- 3 Tilt the lens slightly to move reflections out of view.
- 4 Move with the lens and ask the patient to change gaze to view the periphery.
- 5 Return the lens to its case after use.

4-mirror gonioscopy at the slit lamp

- 1 Seat the patient at the slit lamp and instill topical anesthetic per clinical protocol.
- 2 Set a narrow, short slit beam at low intensity.
- 3 Ask the patient to look straight ahead and gently place the gonioscope on the cornea.
- 4 View each mirror in turn to examine the angle in each quadrant.
- 5 Keep pressure on the eye light and steady, as required by your technique.
- 6 Remove the lens gently and check the cornea per clinical protocol.
- 7 Clean and disinfect the gonioscope immediately after use.

6. Cleaning and disinfection

- Do not touch optical surfaces with fingers.
- Clean the 20D lens with lens tissue and an optical lens cleaning solution.
- Rinse the gonioscope contact surface with water after use, then clean and disinfect per facility protocol.
- Do not use abrasives on any lens surface.
- Do not autoclave unless labeled as autoclavable.

7. Maintenance and storage

- Store each lens dry in its own protective case.
- Keep cases away from heat and direct sunlight.
- Inspect lenses regularly for scratches, chips or contact-surface damage.
- Keep cleaned and used gonioscopes clearly separated.

8. Troubleshooting

Problem	Likely cause	What to do
Reflections in the 20D image	Lens held perpendicular to the light	Tilt the lens slightly
Bubbles under the gonioscope	Lens placed at an angle or insufficient coupling	Remove and reapply the lens per clinical technique
Angle view distorted	Too much pressure on the eye	Reduce pressure on the lens
Blurred image	Dirty lens surface	Clean the lens according to the cleaning section
Permanent marks in the image	Scratched lens	Stop using the lens and replace it

9. Disposal

- Clean and disinfect lenses before disposal.
- Dispose of damaged lenses according to local regulations for glass and plastic waste.

10. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

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