

# Aspheric Diagnostic Lens Pack, 4 Each of 20D, 28D, 78D, 90D

## Instructions for Use

Ophthalmic Diagnostic Lens

### Intended use

Non-contact aspheric lenses for fundus examination. The 20D and 28D lenses are used with an indirect ophthalmoscope; the 78D and 90D lenses are used at the slit lamp.

### 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](mailto:sales@scimedstore.com).

## 1. Safety

### Safety warnings and cautions

- For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations.
- These are non-contact lenses. Do not touch the lens to the patient's cornea or eyelashes.
- Use the lowest light intensity needed and limit exposure time, especially during indirect ophthalmoscopy.
- Pupil dilation must follow clinical protocol and the physician's judgment.
- Inspect the lens before each use. Do not use a lens with chips or cracks.
- Clean the lens between patients if it has been touched or contaminated.
- Do not autoclave or heat the lenses.

## 2. Package contents

- 20D aspheric lens x 4
- 28D aspheric lens x 4
- 78D aspheric lens x 4
- 90D aspheric lens x 4
- Individual protective case per lens

Check contents on receipt. Report missing or damaged items to [sales@scimedstore.com](mailto:sales@scimedstore.com) within 48 hours of delivery.

## 3. Specifications

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| Contents               | 16 aspheric lenses: 4 each of 20D, 28D, 78D, 90D                                |
| Optics                 | Aspheric                                                                        |
| Coating                | Multi-layer anti-reflective                                                     |
| Cases                  | Individual protective case per lens                                             |
| Use                    | 20D and 28D: indirect ophthalmoscopy. 78D and 90D: slit-lamp fundus examination |
| Cleaning (per listing) | Wipe with alcohol or approved lens disinfectant. Do not autoclave.              |

## 4. Unpacking and setup

- 1 Remove the lens from its case and check the surfaces and coating for scratches or damage.
- 2 Clean the lens surfaces with lens tissue if needed.
- 3 Identify the power marked on each lens ring and choose the lens for the examination.

## 5. Operation

### Indirect ophthalmoscopy (20D, 28D)

- 1 Position the patient and set up the indirect ophthalmoscope as usual.
- 2 Hold the lens between thumb and index finger, steadying your hand on the patient's forehead if needed.
- 3 Hold the lens in the orientation indicated by the marking on the lens ring.

- 4 Direct the light through the pupil, then bring the lens into the light path close to the eye.
- 5 Move the lens slowly away from the eye until the fundus image fills the lens.
- 6 Tilt the lens slightly to move reflections out of the view.
- 7 Ask the patient to look in different directions to examine the periphery.

### **Slit-lamp fundus examination (78D, 90D)**

- 1 Seat the patient at the slit lamp and set a low magnification with a narrow-to-medium beam.
- 2 Align the beam coaxially with the microscope.
- 3 Hold the lens a short distance in front of the cornea, centered on the pupil, steadying your hand on the chin rest or headrest.
- 4 Pull the slit lamp back from the eye, then slowly move it forward until the fundus comes into focus.
- 5 Adjust the beam height, width and magnification to examine the disc, macula and vessels.
- 6 Tilt the lens slightly to reduce reflections.

## **6. Cleaning and disinfection**

- Remove dust with a soft brush or air blower before wiping.
- Clean the lens surfaces with lens tissue and a lens cleaner.
- The listing states the lenses may be wiped with alcohol or an approved lens disinfectant. Wipe gently, then dry with lens tissue.
- Do not use abrasive cleaners or rough cloths.
- Do not autoclave, boil or soak the lenses for long periods.

## **7. Maintenance and storage**

- Store each lens in its protective case when not in use.
- Keep cases closed and away from heat, direct sunlight and moisture.
- Inspect the coating regularly for scratches, haze or peeling.
- Replace lenses with damaged optical surfaces.

## 8. Troubleshooting

| Problem                        | Likely cause                                   | What to do                                                   |
|--------------------------------|------------------------------------------------|--------------------------------------------------------------|
| Bright reflections in the view | Lens perpendicular to the light path           | Tilt the lens slightly.                                      |
| No fundus image                | Lens too close or light not entering the pupil | Re-center the light on the pupil and move the lens slowly.   |
| Image hazy                     | Fingerprints, dust or tear film on the lens    | Clean the lens surfaces.                                     |
| Image small or incomplete      | Small pupil or wrong lens for the task         | Follow dilation protocol; choose the appropriate lens power. |
| Image distorted                | Lens held in reverse                           | Turn the lens to the orientation marked on the ring.         |

## 9. Disposal

- Clean the lenses before disposal.
- Dispose of lenses and cases 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](https://scimedstore.com/pages/warranty).

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

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