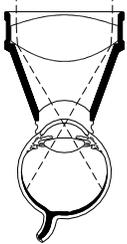


Ocular Mainster (Standard) Focal/Grid Laser Lens

	Product Code 	Static FOV	Dynamic FOV	Image Mag	Laser Spot Mag	Contact Diam	Lens Height	<i>Designed with: Martin A. Mainster, Ph.D., M.D. Kansas City, KS</i>	
	OMRA-S	90°	121°	.96x	1.05X	15.5mm	32.5mm		
	OMRA-S-2	90°	121°	.96x	1.05X	12.0mm	31mm		

Caution: Federal law restricts this device to sale by or on the order of a physician.

Intended Use

The Ocular Mainster Focal/Grid Laser Lens is a contact lens used to view, and aids in the treatment of, anatomical features of the eye's fundus.

Indications for Use

- § The lens is to be used by a licensed physician in a method consistent with other ophthalmoscopic contact indirect fundus lenses.
- § The lens is used to counteract the optical power of the cornea so the physician can see inside the eye.
- § Use of methylcellulose or similar coupling fluids facilitates lubrication and an optical couple to the eye.
- § Precision optics refines the optical path and laser power density of therapeutic lasers used to treat abnormalities located in the fundus of the eye.
- § Laser spot magnification factor is used to calculate the change in laser spot size caused by the use of the lens in the optical system. Multiply the Laser spot size setting by the "Laser Spot Mag" value to calculate laser spot size on the fundus.
- § Anti-reflective optical coatings increase image contrast for viewing fundus anatomy and anatomical abnormalities.

Design Features

- § The Ocular Mainster Focal/Grid Laser Lens provides high lateral magnification which offers excellent retinal detail while its high axial magnification permits appreciation of subtle intraretinal details and retinal thickening.
- § It offers high retinal resolution, excellent visibility through hazy media and minimal beam astigmatism in the field periphery.
- § It is the lens of choice for diagnosing and treating macular edema in diabetic retinopathy and branch retinal vein occlusion.
- § No methylcellulose is required during routine eye examinations on the OMRA-S-2 style.

Technique

- § As with any indirect ophthalmoscopy contact lens, some time is needed to become familiar. Suggestions for use are:
 - § Use the slit lamp with its illumination and observation arms lined up so that illumination and observation are parallel.
 - § Use a vertical slit beam with the illumination beam as narrow and short as possible to minimize back-scattered slit lamp light that can decrease image contrast.
 - § Use slit lamp magnification between 5x and 12x.
 - § Tilt the lens on the patient's cornea to select your viewing area and optimize image clarity and stereoscopic view.
 - § Keep the front surface of the lens perpendicular to the viewing axis and the laser beam.
 - § Have the patient turn their eye slightly for larger changes in viewing area location.
- § Since this lens presents an image in air rather than within the lens, the slit lamp must be moved further back from the patient's eye, as compared with conventional lenses. It is sometimes helpful to start by using the lowest slit lamp magnification with the lens centered in the field of view, then move the slit lamp away from the patient until the image is acquired.
- § Restricted posterior movement of the older Zeiss 125 slit lamp requires the patient's forehead be moved backward from the headrest. This positioning may be achieved by placing a one inch thick sponge strip between the patient's forehead and the headrest.

Warning

- § Do not use if there are fractures, chips, scratches or other damage to the lens.
- § Lens must be properly cleaned and disinfected or sterilized before use.
- § If lens has been in contact with an ulcerated cornea it must be sterilized prior to subsequent use.

Contraindications

- § The Ocular Mainster Focal/Grid Laser Lens is intended for transient use only. It is not intended to remain on the eye for prolonged periods of time.
- § If lens has been in contact with an ulcerated cornea it must be sterilized prior to subsequent use.

Cleaning & Disinfection

See Cleaning Method 1



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