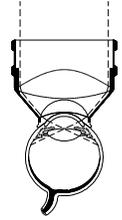


## Ocular Mainster PRP 165 Laser Lens

	<b>Product Code</b> 	Static FOV	Dynamic FOV	Image Mag	Laser Spot Mag	Contact Diam	Lens Height	<i>Designed with:</i> <i>Martin A. Mainster,</i> <i>Ph.D., M.D.</i> <i>Kansas City, KS</i>	
	<b>OMRA-PRP-165</b>	165°	180°	.51x	1.96X	17.5mm	28.0mm		
	<b>*OMRA-PRP-165-2</b>	165°	180°	.51x	1.96X	16.5mm	27.5mm		

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

### Intended Use

The Ocular Mainster PRP165 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.
- § Stated Laser spot size limit should not be exceeded for patient safety reasons.
- § Anti-reflective optical coatings increase image contrast for viewing fundus anatomy and anatomical abnormalities.

### Design Features

- § The Ocular Mainster PRP 165 Laser Lens has an unequaled 165° static field of view, which is the widest available.
- § Its ultra sharp aspheric optics provides exquisite fundus detail and distortion free laser beam transmission.
- § Its LASERLIGHT® HD anti-reflective coatings are optimized for argon, dye, krypton and diode photocoagulators.
- § Has a SECUREFIT® flange for easy lens manipulation to treat the far periphery.
- § Access the retinal periphery with unparalleled ease to treat proliferative diabetic retinopathy, neovascular retinal vein occlusions or retinal breaks.
- § It is an excellent lens to view and treat through small pupils and opaque media.
- \*No methylcellulose is required during routine eye examinations on the OMRA-PRP-165-2 style.

### Technique

- § Mainster-series lenses are optimized for the most common retinal applications. As with any new device, there is a brief learning period before lens use becomes instinctive. The following approach works well in most situations:
  - § Keep the slit lamp arm in the central position so that illumination, observation and the laser beam (when used) are lined up parallel to each other.
  - § Start with low slit lamp magnification.
  - § Apply gonioscopic solution to the contact lens element and place it on the patient's cornea.
  - § Move the slit lamp forward until a red reflex, and then a retinal image, comes into view.
  - § Optimize the image by tilting the lens on the patient's cornea (up, down, left, right).
  - § Avoid the natural tendency to let the front surface of the lens drop down.
  - § Once the retinal image is seen clearly, increase slit lamp magnification to obtain the desired magnification for your retinal application.
  - § Keep illumination as dim as possible and the slit lamp beam as narrow and short as possible to decrease back-scattered slit lamp light that can decrease image contrast and the quality of your retinal view.

### 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.

## Warning

**English:** To avoid excessive energy to the crystalline lens, laser spot settings of greater than 275 microns are not recommended. **Bulgarian:** За да избегнете излишно подаване на енергия към лещата, не се препоръчва настройване на лазерния лъч на повече от 275 микрона. **Czech:** Aby se zabránilo nadměrnému podání energie na krystalické čočce, nastavení velikosti laserové stopy větší než 275 mikronů se nedoporučuje. **Danish:** Overdreven energi på krystallinse bør undgås og derfor er det ikke anbefalelsesværdigt at benytte laserprikinstillinger, der er større end 275 mikron. **Dutch:** Om te veel energie op de kristallens te voorkomen, worden laserspotinstellingen groter dan 275 microns niet aanbevolen. **French:** Pour éviter toute énergie excessive sur le cristallin, les paramètres du point laser supérieurs à 275 microns sont déconseillés. **German:** Um übermäßige Energieeinwirkung auf die Linse zu vermeiden, wird von Laserspoteinstellungen von mehr als 275 Mikrometer abgeraten. **Greek:** Για να αποφευχθεί η υπερβολική ενέργεια στον κρυστάλλινο φακό, οι ρυθμίσεις για σημείο λέιζερ μεγαλύτερο των 275 micron δεν συνιστώνται. **Hungarian:** A kristálylencsét érő túlzott energia-behatás káros lehet, ezért nem javasolt 275 mikrométer feletti lézerfolt beállítás használata. **Italian:** Per evitare di applicare un'energia eccessiva alla lente cristallina, sono sconsigliate impostazioni dello spot laser superiori a 275 micron. **Latvian:** Lai izvairītos no pārmērīgas enerģijas pievadišanas acs lēcai, nav ieteicami lielāki lāzera stara laukuma izmēri par 275 mikroniem. **Lithuanian:** Energijos pertekliui į kristalinius lęšius išvengti, nerekomenduojami daugiau nei 275 mikronų lazeriniai įtvarai. **Polish:** Aby uniknąć oddziaływania zbyt wysokiej energii na soczewki, zaleca się, aby nie stosować ustawień wiązki laserowej powyżej 275 mikronów. **Slovak:** Odporúča sa používať nastavenie veľkosti laserového lúča väčšie ako 275 mikrometrov. Predídte sa nadmernému pôsobeniu energie na kryštalickú šošovku. **Spanish:** Para evitar un exceso de energía al cristalino, no se recomiendan posiciones del spot láser mayores que 275 micrones. **Swedish:** Undvik hög energi på kristallinse med laserpunktinställningar över 275 mikron, som inte rekommenderas. **Romanian:** Pentru a evita energia în exces asupra lentilei cristaline, nu sunt recomandate reglaje ale spotului laser mai mari de 275 de microni. **Portuguese:** Para evitar um excesso de energia para a lente cristalina, não se recomendam definições do ponto laser superiores a 275 micrones.

## Contraindications

- § The Ocular Mainster PRP 165 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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