


# Ocular Abraham Capsulotomy YAG Laser Lens

	<b>Product Code</b>	<b>Image Mag</b>	<b>Laser Spot Mag</b>	<b>Contact OD</b>	<b>Lens Height</b>	<i>Designed with:</i> Robert K. Abraham, M.D., Encino, CA  Reference: Ocular Surgery News Vol. 14, No. 17, p. 36, September 1, 1996	
	OAYA CE	1.8x	.56x	15mm	16.5mm		

## Design

- The Abraham Capsulotomy YAG Laser Lens features a 10.0mm diameter HeNE YAG coated plano-convex 1.8x magnification button positioned at the center of the lens.
- The spherical button provides high image quality and beam control when treating the region from the anterior to the posterior capsule by mode-locked or Q-switched YAG laser systems.

Comparison of Beam Diameters		
When the YAG laser cone angle Equals 16°	With Abraham Iridectomy Lens	No Contact Lens
Convergence Angle	24°	16°
Focus Spot Size at Posterior Capsule (um)	14	21
Beam Diameter at Cornea	3.4mm	2.2mm
Beam Diameter at Retina	7.2mm	4.7mm

## Cleaning

- Rinse: Immediately upon removal from patient's eye, thoroughly rinse in cool or tepid water.
- Wash: Place a few drops of mild soap on a moistened cotton ball. Gently clean with a circular motion.
- Rinse: Thoroughly rinse in cool or tepid water, then dry carefully with a *non-linting* tissue.
- Then: Proceed with either disinfection or sterilization instructions.

## Disinfection

Soak In:	<b>GLUTARALDEHYDE</b>	<b>OR</b>	<b>BLEACH</b>
	2% or 3.4% aqueous solution		10% solution mixed at: 1 part bleach to 9 parts water
	Temperature per manufacturer instructions		
	Minimum exposure time = 20 minutes		Recommended exposure time = 10 minutes
<b>Caution</b> To avoid damage to the lens, do not exceed recommended exposure time.			
Then:	Rinse lens <i>thoroughly</i> to remove disinfection solution. 3 cycles of 1 minute, with cool or tepid water is recommended. Dry carefully and place in a dry storage case.		
<b>NOTE</b>	This lens is known to be compatible with: Ascepti-Wipe, Cavi-cide, Cidex, Cidex OPA, DisCide Wipe, Enviro-cide, H <sub>2</sub> O <sub>2</sub> - 3%, and Opti-Cide		
<b>Caution</b>	<i>If used on an ulcerated cornea, lens must be <b>STERILIZED</b> before next procedure.</i>		

## Sterilization

AUTOCLAVE	STERRAD	STERIS SYSTEM 1	ETO	ETO Parameters		
No	No	YES	YES	Minimum Time	Temperature	Aeration Time
		Per manufacturer instructions	See Right	1 hour	130°F (54°C)	12 hours
<b>WARNING</b> <i>Never Steam Autoclave or Boil listed lenses. Never soak in Alcohol, Acetone or Other Solvents.</i>						

For information on compatibility with alternative product care methods, contact Customer Service.

