Ocular MaxField® Indirect Diagnostic / Laser Lenses

CE	Product Code/ Lens Name	Used With	Image Mag.	Approx. Laser Spot Mag Factor	Static Field of View	Dynamic Field of View	Working Distance from Cornea (mm)	Clear Aperture (mm)	Weight (grams)
	**OI-14M** MaxField® 14D	BIO	4.17x	0.24x	38°	na	72	52.0	57
	**OI-18M** MaxField® 18D	BIO	3.40x	0.29x	44°	na	55	48.0	58
	**OI-20M** MaxField® 20D	BIO	2.97x	0.34x	50°	na	47	48.0	56
	**OI-20MS** MaxField® 20D Small	BIO	2.97x	0.34x	40°	na	47	38.0	34
	**OI-22M** MaxField® 22D	BIO	2.73X	0.37X	60°	na	39	52.0	73
	**OI-25M** MaxField® 25D	BIO	2.40x	0.42x	63°	na	33	48.0	59
	**OI-28M** MaxField® 28D	BIO	2.11x	0.47x	58°	na	27	38.0	39
	**OI-30M** MaxField® 30D	BIO	1.97x	0.51x	63°	na	26	38.0	38
	**OI-35M** MaxField® 35D	BIO	1.71x	0.58x	74°	na	17	34.0	32
	**OI-40M** MaxField® 40D	BIO	1.49x	0.67x	82°	na	14	34.0	32
	**OI-54M** MaxField® 54D	Slit Lamp	1.10x	0.90x	86°	137°	10	29.0	25
	**OI-60M** MaxField® 60D	Slit Lamp	1.00x	1.00x	85°	154°	10	29.0	32
	**OI-66M** MaxField® 66D	Slit Lamp	0.91x	1.10x	91°	144°	8	27.0	25
	**OI-72M** MaxField® 72D	Slit Lamp	0.83x	1.20x	102°	155°	7	27.0	21
	**OI-78M** Osher MaxField® 78D (Formerly Osher Panfundus)	Slit Lamp & Surgical Microscope	0.77x	1.30x	98°	155°	7	27.0	21
	**OI-HM-78M** MaxField® High Mag. 78D	Slit Lamp	0.98x	1.02x	88°	154°	10	29.0	32
	**OI-84M** MaxField® 84D	Slit Lamp	0.71x	1.40x	105°	158°	5	27.0	28
	**OI-STDM** MaxField® Standard 90	Slit Lamp	0.75x	1.34x	94°	153°	5	19.0	9

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	**OI-STDM-LR** MaxField® Standard 90 with Large Ring	Slit Lamp	0.75x	1.34x	94°	153°	5	19.0	18
	**OI-100M** MaxField® 100D	Slit Lamp	0.60x	1.67x	110°	146°	4	21.0	18
	**OI-120M** MaxField® 120D	Slit Lamp	0.50x	2.00x	120°	173°	4	21.0	19
Lens Coating	The Laserlight® HD, high efficiency, broad band, anti-reflective coating provides optimal image contrast, minimizes bothersome reflections, and maximizes visible and diode laser transmission.								

Design

- § MaxField BIO Lenses are made of high transmittance glass for bright, clear images.
- § MaxField 14D, 18D, 20D, 22D and 28D lenses feature computer optimized aspheric designs for maximum resolution and field of view.
- § MaxField Slit Lamp Lenses are made of high refractive index glass and precision double aspheric designs that yield an extremely wide field & sharp image.
- § MaxField Slit Lamp Lenses range from 54D for detailed examination of the macula and optic disc to 120D for a quick clear view of a wide retinal area.
- § Lenses also available in colored mounts. Contact Ocular Instruments for further information.

Technique

- § Commonly known indirect ophthalmoscopy techniques using either the slit lamp or binocular indirect ophthalmoscope should be used.
- § The tapered end of the lens (silver end of the 14D, 18D, 20D, 22D, 28D, 30D, 35D, 40D and Standard 90) should be held toward the patient's eye during examination. It is important to recognize that this unidirectional design provides the best image quality possible.
- § Keep the lens centered on the patient's pupil.
- § Hold the lens far enough from the patient's eye so that the retinal image is the same diameter as the lens.
- § Keep the illumination source as dim as possible to minimize reflections and loss of image contrast.
- § Use the *Ocular Lens Cleaning Cloth* (OLCC) to keep lens clean and minimize glare from the lens surface.

Surgical Technique - Osher MaxField 78 Diopter *(Formerly called Osher Panfundus, OOSPF)*

- § A non-contact Surgical Panfundus Lens designed to allow the surgeon to quickly view the retina through the surgical operation microscope with minimal refocusing.
- § Its wide field of view facilitates the diagnosis of an intraoperative choroidal hemorrhage of an effusion.
- § It is also helpful in identifying lens fragments, a dislocated intraocular lens, or the site of a perforated globe.
- § Offers an exceptionally wide field of view for a non-contact lens and has superb resolution for evaluation purposes.
- § Some retinal surgeons use the Osher MaxField lens to check the retina after band/buckle surgery, thus eliminating the need to use the more cumbersome indirect ophthalmoscope.
- § Under the surgical microscope, position the lens approximately 7mm above the patient's cornea.
- § Elevate the surgical microscope between one and two inches (2.5 to 5 centimeters) until the patient's retina becomes clearly focused.

Cleaning & Disinfection

See Cleaning Method 2

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