

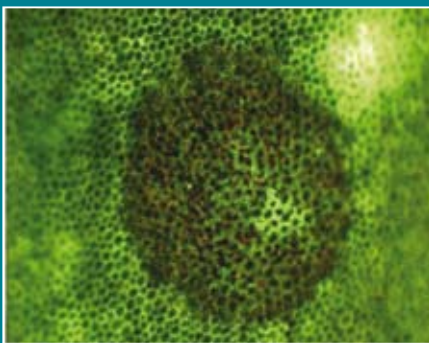
Ellex 2RT Characteristics

Ellex 2RT vs. Retinal Photocoagulation*

	Ellex 2RT	Photocoagulation	Ratio
Laser Pulse Duration	3 nanoseconds	0.1 seconds	1:33,333,333
Laser Fluence (average)	0.2J/cm²	160J/cm²	1:800
Retinal Spot Size	400 microns	100 microns	4:1
Laser Wavelength	532nm (green)	532nm (green)	1:1
Primary Tissue Interaction	Intra-Cellular Micro-Bubble Formation	Thermal Coagulation	n/a

* Typical values for mild threshold macular treatment for DME using 532nm (green) CW laser. Photocoagulation

Retinal Rejuvenation Therapy



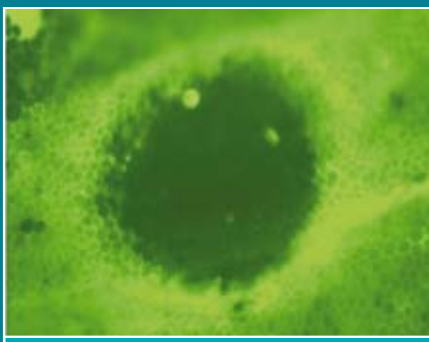
Porcine RPE



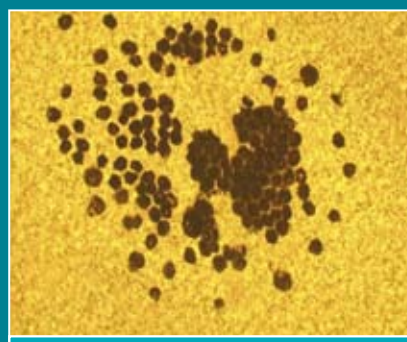
Apposed Neuro-Retina

These images show the effect of Ellex 2RT™ once the neuro-retina has been peeled away from the RPE: the RPE cells have been killed within the area of the laser spot, but the cell structure remains normal and the photoreceptors undamaged.

Conventional Retinal Photocoagulation



Porcine RPE



Apposed Neuro-Retina

These images show the effect of conventional retinal photocoagulation once the neuro-retina has been peeled away from the RPE: the RPE cells are “welded” to the photoreceptors, ripping away from Bruch’s membrane i.e. coagulation has occurred.