Glistenings in AcrySof® IQ IOLs

Methods:
Glistenings were experimentally created as aqueous filled microvacuoles utilizing an accelerated laboratory method by immersing the lens in water at 45°C for 48 hours and then at 37°C for 25 hours. AcrySof® IOLs (Alcon Laboratories, Inc.) Model SB30AL manufactured in 2003 were compared to AcrySof® IOLs Model SN60WF manufactured in 2012.

Results:
AcrySof® IOLs manufactured in 2012 demonstrated a significant reduction in glistening density (87% reduction) vs. AcrySof® IOLs manufactured in 2003.

![Bar chart showing mean microvacuole density for AcrySof Intraocular Lenses manufactured in 2003 (n=100, from 2 lots) and 2012 (n=270, from 9 lots).](chart.png)

*p < 0.0005

Figure 1: Mean microvacuole density for AcrySof® intraocular lenses manufactured in 2003 (n=100, from 2 lots) and 2012 (n=270, from 9 lots).
IMPORTANT SAFETY INFORMATION:

CAUTION: Federal (USA) law restricts this device to the sale by or on the order of a physician.

INDICATIONS: The AcrySof® IQ posterior chamber intraocular lens is intended for the replacement of the human lens to achieve visual correction of aphakia in adult patients following cataract surgery. This lens is intended for placement in the capsular bag.

WARNING/PRECAUTION: Careful preoperative evaluation and sound clinical judgment should be used by the surgeon to decide the risk/benefit ratio before implanting a lens in a patient with any of the conditions described in the Directions for Use labeling. Caution should be used prior to lens encapsulation to avoid lens decentrations or dislocations.

Studies have shown that color vision discrimination is not adversely affected in individuals with the AcrySof® Natural IOL and normal color vision. The effect on vision of the AcrySof® Natural IOL in subjects with hereditary color vision defects and acquired color vision defects secondary to ocular disease (e.g., glaucoma, diabetic retinopathy, chronic uveitis, and other retinal or optic nerve diseases) has not been studied. Do not resterilize; do not store over 45°C; use only sterile irrigating solutions such as BSS® or BSS PLUS® Sterile Intraocular Irrigating Solutions.

ATTENTION: Reference the Directions for Use labeling for a complete listing of indications, warnings and precautions.