Veiling Glare Effects of Violet Laser Exposure in Humans

Fiscal Year 2001-2002 Technology Investment Project

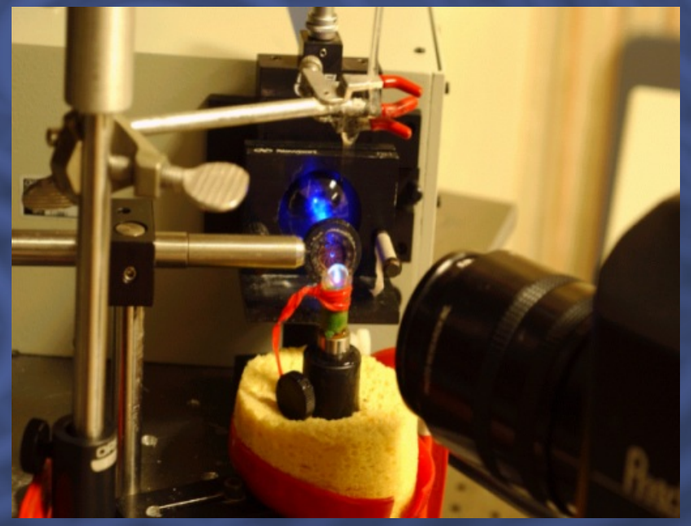
Project Objectives:

- Determine if violet lasers can significantly advance the state-of-the-art in laser illuminator technology
- Identify the wavelength that induces maximum lens fluorescence
- Record the spatial distribution of the induced LF

Potential Applications:

- Crew served or hand-held Non-Lethal Weapons to introduce an eye-safe veiling glare into the eyes of an intruder to interrupt their visual efficiency

Lens Fluorescence
Slit-Lamp induced in the rhesus eye



Laboratory Apparatus