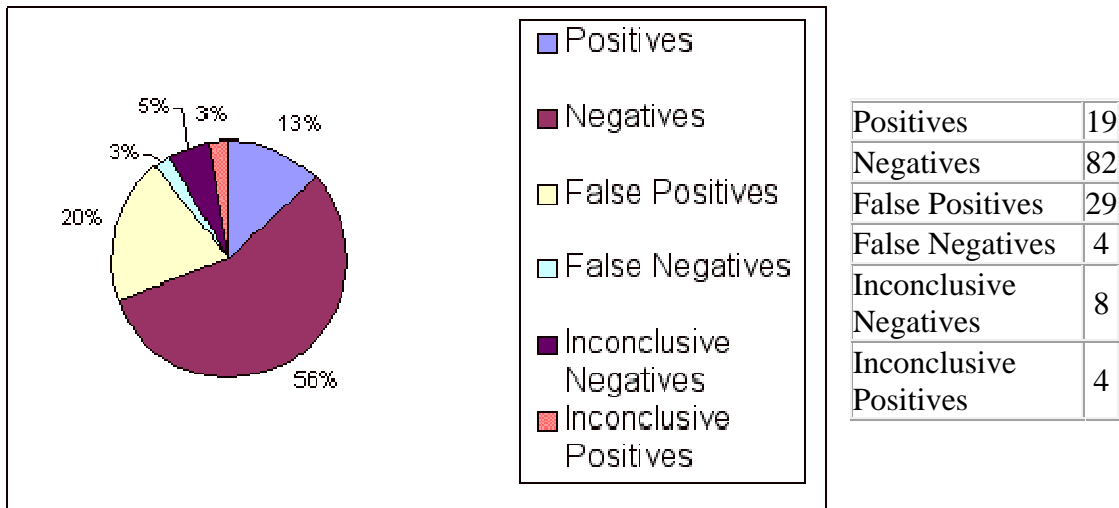


San Diego County Probation
Pupillometer Pilot Study - Summary of Results

The EyeCheck™ pupillometer pilot was conducted during November 2001. The goal of the pilot program was to compare the findings of test results using both the EyeCheck™ pupillometer and urinalysis screening. Norchem Laboratories conducted the urine tests at a zero cutoff level at prescreening.

The following people were not included in the study results.

- Juveniles
- Pregnant offenders
- Those offenders who have had RK or Lasek Surgery within two weeks of the test.
- Offenders over age 50
- Offenders that have suffered from an eye or head injury.



Exams analyzed.....146

False positives (tests positive on the pupillometer and negative on urine) include samples that were positive on urine screens below NIDA threshold for "positive."

The critical result for "false negatives" (tests negative on pupillometer and positive on urine) was 3 percent. Both false negatives and false positives, are expected to be even less as we gain experience using the device.

The Eye Check™ pupillometer system must be considered strictly a "screening device" to better utilize our urine testing resources. Where applied, EyeCheck™ pupillometer will reduce the number of urine tests needed by 56 percent. If used for all testing in Probation, this would mean about \$150,000 a year in savings.