

Ishihara Color Vision Testing

**Purpose:**

Detect color vision defects.

Equipment:

Ishihara color vision plates.

Notes:

- Test with correction and room lights on.
- Assess each eye individually.
- Most defects are red-green and may be congenital or acquired (more common in males).
- Mainly used in children and patients with non-glaucoma optic nerve issues.

Cautions & Interferences:

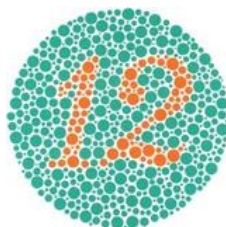
1. If the patient can't verbalize numbers, have them trace with a tool (not fingers) or use tracing/path plates.
2. Everyone should see the first (control) plate.
3. If visual acuity is too poor (e.g., $\leq 20/800$), note that color vision couldn't be tested.
4. Ensure the fellow eye is properly covered for accurate testing.

Testing Process:

Explain to the patient that they will read a series of numbers with each eye separately to assess color vision.

- Have them cover the left eye with an occluder.
- Hold the plates about 75 cm (30 inches) from the patient—examiner should hold the book to maintain distance and prevent contact.
- Ask the patient to read the number on each plate.
- If they struggle, ask if they see a number, can trace its path, or see any pattern—or if it just appears as dots.

The first plate in the book is a control plate, and even those who are color blind are able to distinguish the number 12.

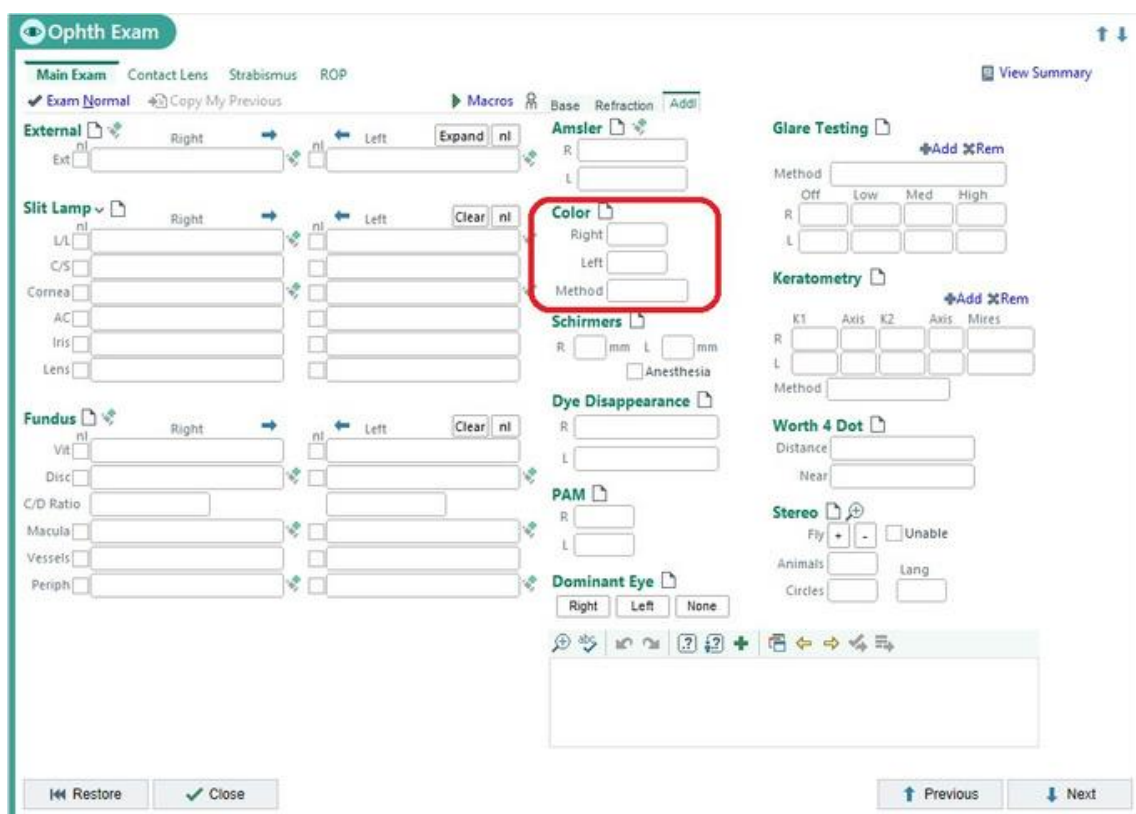


Test the left eye in the same manor.

Document as a fraction the number of correct over the number of plates tested (eg. 11/13). Different books may have different number of plates.

Documenting Ishihara color vision testing in Epic is done under “Color” in the Ophthalmology Exam, which is located in the Screen/Assess tab on the left hand side.

You can also document any notes in the ‘Note’ section.



Ophthalm Exam

Main Exam | Contact Lens | Strabismus | ROP

✓ Exam Normal | Copy My Previous | Macros | Base | Refraction | Addl

External | Right | Left | Expand | nl

Ext | nl

Slit Lamp | Right | Left | Clear | nl

L/L | nl | nl

C/S | nl | nl

Cornea | nl | nl

AC | nl | nl

Iris | nl | nl

Lens | nl | nl

Fundus | Right | Left | Clear | nl

Vit | nl | nl

Disc | nl | nl

C/D Ratio | |

Macula | nl | nl

Vessels | nl | nl

Periph | nl | nl

Amsler | Right | Left | Method

R | |

L | |

Color | Right | Left | Method

R | |

L | |

Method | |

Schirmers | R | mm | L | mm

R | | mm | L | | mm

Anesthesia | |

Dye Disappearance | R | |

R | |

L | |

PAM | R | |

R | |

L | |

Dominant Eye | Right | Left | None

Right | Left | None

Glare Testing | Method | Add | Rem

Method | |

Off | Low | Med | High

R | | | |

L | | | |

Keratometry | Add | Rem

K1 | Axis | K2 | Axis | Mires

R | | | |

L | | | |

Method | |

Worth 4 Dot | Distance | |

Near | |

Stereo | Fly | + | - | Unable

Animals | |

Circles | |

Lang | |

↑ Previous | ↓ Next

Restore | Close