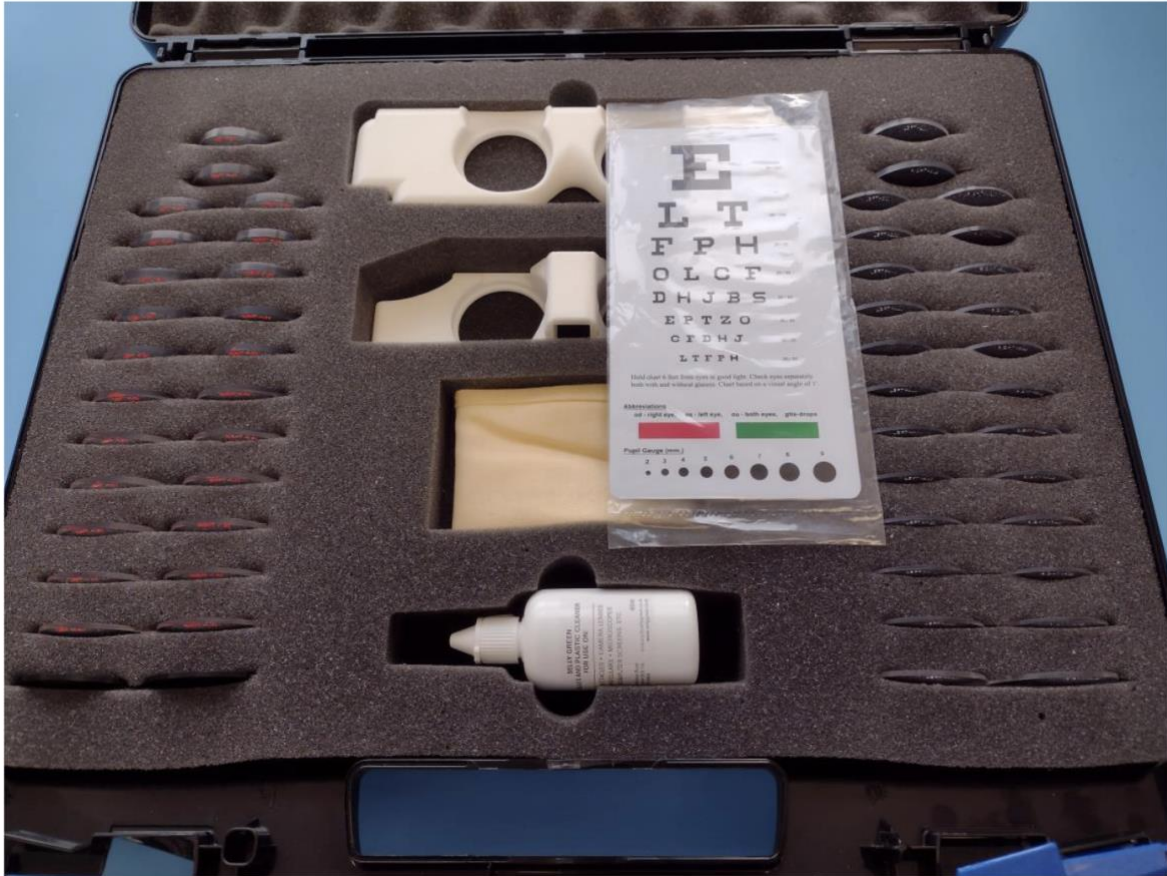


Dartmouth Brain Imaging Center (DBIC) SOP for the MRI-compatible corrective lenses

The DBIC uses [Cambridge Research Systems](#) MRIFocus for Siemens corrective lenses for both the 32- and 64-channel head coils. For questions about the corrective lenses, please contact Terry.J.Sackett@dartmouth.edu.

Important: Participants should be asked if they have normal or corrected to normal vision prior to their scan session. If they do not wear contacts, they should come to their scan session knowing their prescription. This will save time on the day of the scan.

Lens set – stored in the DBIC control room (under the scanner console)



The kit contains:

- One or two lens holders
- User manual
- Set of interchangeable ophthalmic lenses
- Pocket Snellen acuity chart
- Lens cleaning kit

Lens holder

- The lens holder should be placed on the mirror support. When removing subjects, it is **crucial** to either first remove the lens holder **or** the mirror support, but you **must** keep the lens holder **level**. If you tip it, the lenses will fall to the floor, which could cause damage.



Lens holder for Siemens 32 channel MRI head coil



Lens holder for Siemens 64 channel head coil

After safely uninstalling the lens holder, please return it to the kit.

Lenses

- The lenses are inscribed with the lens power ranging from +6.0 to -6.0
 - **Negative** powered lenses correct **myopia** (nearsightedness, e.g. trouble seeing things at a distance)

****As an example, if a person has a prescription of -8, you could effectively stack a -6 and a -2 lens to get -8****

- **Positive** powered lenses correct **presbyopia** (farsightedness, e.g. trouble seeing things up close)
- Our corrective lenses are not going to be perfect – just go with whatever is the closest to the participant's prescription.
- Please disinfect the lenses using the lens cleaning kit.