

MiSTY Stereo Ophthalmic Camera Infection Prevention and Control

IT IS THE RESPONSIBILITY OF ALL USERS OF THIS SOP TO ENSURE THAT
THE CORRECT VERSION IS BEING USED

Staff must ensure that they are adequately trained in the new procedure and must make sure that all copies of superseded versions are promptly withdrawn from use unless notified otherwise.

If you are reading this in printed form check that the version number and date below is the most recent one.

SOP Reference:	Measuring Icterus from Sclera Tinge Yellowness (MiSTY)/344432/S01
Version Number:	2.0
Author:	Georgia Sowerby
Implementation date of current version:	25 th March 2026

Approved by:	Name/Position:	Georgia Sowerby, Chief Investigator
	Date:	25 th March 2026
	Name/Position:	Sarah Sheath, SOP Controller
	Date:	25 th March 2026

This SOP will normally be reviewed every 3 years unless changes to the legislation require otherwise

Version History Log

This area should detail the version history for this document. It should detail the key elements of the changes to the versions.

Version	Date Implemented	Details of significant changes
1.0	20 th March 2026	New SOP
2.0	25 th March 2026	Removed the specification of “chlorine” from disinfectant wipes in Sections 4.1 and 4.2. Moved the step “Remove and dispose of single-use disposable gloves” earlier in Section 4.2 (now between previous steps 2 and 3).

Contents

	<u>Page No</u>
Version	2
1 Introduction, Background and Purpose	1
2 Who Should Use This SOP	1
3 When this SOP Should be Used	1
4 Procedure(s)	1
5 Related SOPs and Documents	2
6 Appendix A – Application of Protective Equipment	3

1 Introduction, Background and Purpose

The MiSTY Stereo Ophthalmic Camera is an ophthalmic imaging device designed to capture clear, consistent, full-colour images of both eyes simultaneously. In the MiSTY clinical trial, it is used to collect reliable images of the whites of the eyes (sclera) under controlled lighting and positioning conditions.

During use, the front of the camera rests against a single-use disposable protective eye mask worn by the participant to ensure stable positioning and consistent imaging while maintaining hygiene. Appropriate cleaning and further protective measures are implemented alongside the use of this eye mask to minimise the risk of cross-contamination between participants.

This SOP describes the procedure for cleaning the MiSTY Stereo Ophthalmic Camera and applying and removing protective equipment during its use in the MiSTY clinical trial, to ensure appropriate infection prevention and control measures are followed when collecting participant eye images.

2 Who Should Use This SOP

This SOP should be followed by research nurses and other trained research staff involved in the MiSTY clinical trial who handle the MiSTY Stereo Ophthalmic Camera.

All staff using the device must be appropriately trained in the MiSTY study procedures and familiar with this SOP before collecting participant eye images.

3 When this SOP Should be Used

This SOP should be followed before and after each participant imaging session when using the MiSTY Stereo Ophthalmic Camera as part of the MiSTY clinical trial.

4 Procedure(s)

4.1 Before Participant Imaging

1. Perform hand hygiene in accordance with local infection prevention and control procedures.
2. Put on single-use disposable gloves before handling the devices or applying protective equipment.
3. Inspect the MiSTY Stereo Ophthalmic Camera and tablet to ensure they are clean and free from visible contamination.
4. Using Trust-approved disinfectant wipes, clean all participant contact surfaces of the camera, including the goggle-shaped opening.

5. Using a disinfectant wipe, clean the tablet touchscreen.
6. Allow all cleaned surfaces to air dry in accordance with the manufacturer's instructions.
7. Provide the participant with a single-use disposable protective eye mask and instruct them to put it on, securing it using the ear loops (see Appendix A, Figure 1).
8. Fit the single-use elasticated plastic protective cover over the rear section of the camera, ensuring that exposed wires and hard-to-clean areas are fully covered. The elasticated edge should sit just above the two focus adjustment screws (see Appendix A, Figure 2).

4.2 After Participant Imaging

1. Instruct the participant to remove the single-use disposable protective eye mask and dispose of it in an appropriate waste container.
2. Remove the single-use elasticated plastic protective cover from the camera and dispose of it appropriately.
3. Remove and dispose of single-use disposable gloves.
4. Using Trust-approved disinfectant wipes, clean all participant contact surfaces of the camera.
5. Using a disinfectant wipe, clean the tablet touchscreen.
6. Allow all equipment to air dry fully before storage or use.
7. Perform hand hygiene in accordance with local infection prevention and control procedures.

5 Related SOPs and Documents

The following documents are related to this SOP:

- How to Use the MiSTY Stereo Ophthalmic Camera
- MiSTY Protocol
- MiSTY Participant Information Sheet
- MiSTY Participant Consent Form

6 Appendix A – Application of Protective Equipment

Figure 1: Application of single-use disposable protective eye mask



- The single-use disposable protective eye mask should be positioned securely over both eyes using the ear loops, ensuring full coverage of the eye area prior to imaging.
- The mask acts as a barrier to minimise direct contact between the participant and the device.

Figure 2: Application of single-use elasticated plastic cover



- A single-use elasticated plastic protective cover is fitted over the rear section of the MiSTY Stereo Ophthalmic Camera.
- The elasticated edge is stretched around the device and positioned just above the two focus adjustment screws to secure the cover in place.
- The cover ensures that exposed wires and non-smooth or hard-to-clean surfaces are fully enclosed
- The front section is left uncovered but consists of smooth, non-porous surfaces that can be easily cleaned and disinfected; additional protection is provided by the participant wearing a single-use eye mask.

UNCONTROLLED DOCUMENT WHEN PRINTED