

Corneal Buttons (Special)

Special arrangements

Please contact the F.C. Blodi Eye Pathology laboratory (319-335-7095) **before** surgery when the anticipated diagnosis will require: (1) electron microscopy, (2) immunopathology, (3) the detection of crystalline substances, especially urate crystals.

Fixation

Dependent upon type of test required, typically 10% neutral buffered formalin.

Special instructions

- ❖ Corneal buttons should not be allowed to desiccate in the operating room before being placed into fixative. Because it may be important to wait until donor tissue is secured into place, place the host material into tissue culture medium until the surgeon considers the circumstances of the operation "safe enough" to transfer the host tissue into the proper fixative.
- ❖ Follow the instructions listed under Special Procedure Specimen Collection for how to handle electron microscopy, immunopathology or detection of crystalline substances (urate crystals) specimens.
- ❖ Follow the instructions listed under General Information for Routine Specimen Collection for proper packaging and labeling of routine specimens and how to fill out the Ocular Pathology request form.
- ❖ Follow the procedure under General Information on Collection and Handling of Specimens for proper specimen sending information.

Corneal Button (routine)

Special arrangements

No special arrangements are necessary.

Fixation

10% neutral buffered formalin.

Special instructions

- ❖ Follow the instructions listed under General Information for Routine Specimen Collection for proper handling and labeling of routine specimens and how to fill out the Ocular Pathology request form.
- ❖ Follow the procedure under General Information on Collection and Handling of Specimens for proper specimen sending information.