



XL-Cal® (Immuno)

- Intended Use -

XL-Cal® (Immuno) is a rapid decalcifier designed to preserve immunogenicity at a maximum while accomplishing rapid decalcification. It is designed specifically for bone marrow biopsies and small diagnostic portions of bone, although it can also be used effectively on large fragments of bone.

- General Information -

XL-Cal® (Immuno) is an acid decalcifier formulated to preserve immunogenicity of epitopes at as high a sensitivity of detection as possible. With small biopsies, sensitivity of detection of antigens is preserved approaching 100% for most all epitopes. Following decalcification of bone marrows for 1-2 hours, the sensitivity of detection of hematopoietic markers and B and T cell markers are preserved nearing the 100% level. Sensitivity of detection of intermediate filaments, cyto-skeletal proteins and epithelial cell markers are similarly maintained.

XL-Cal® (Immuno) is intended to be used primarily on fixed bone core biopsies and small diagnostic fragments of bone. It can also be used on cassette-sized pieces of bone. The time of decalcification of an 11-gauge bone core biopsy is 1 hour; that of an 8-gauge biopsy is approximately 90 minutes.

Fixation of tissues to be decalcified with XL-Cal® (Immuno) can be accomplished with any fixative. However, the sensitivity of most commercial antibodies is set for formaldehyde fixation. Following fixation with neutral buffered formalin, decalcified tissues should be stained at the routine times used for non-decalcified tissues. Tissues fixed in zinc formalin prior to decalcification may require a 1 to 2 fold lower dilution of antibody for equivalent sensitivity.

- Packaging -

Catalog#	Volume
XLH100	1000mL
XLH946	1 Gallon
XLH101	1 Gallon Cube