

## Tissue Culture Grown Cells

For use as controls in immunohistology experiments

### Frozen “Tissue” Control

Tissue culture grown cells should be spun down into a pellet, washed from media, re-spun into a pellet and used as a block of "tissue" to be frozen in OCT as though freezing a small piece of tissue.  $10^8$  (100 million) cells will provide a good size pellet.

Plan to provide 100 million cells that DO NOT express the protein of interest (negative control) as well as 100 million cells that DO express the protein of interest (positive control).

### Fixed “Tissue” Control

The pellet of cells may be resuspended in **freshly made** 4% paraformaldehyde and allowed to fix for less than 6-24 hours, spun into a pellet, scraped onto lens paper that is folded and enclosed in ShurMark- or pencil-labeled cassettes, and submitted for processing into paraffin blocks.

Plan to provide 100 million cells that DO NOT express the protein of interest (negative control) as well as 100 million cells that DO express the protein of interest (positive control).

Sections of these cell pellets are an **essential** control for immunoassays on tissues.