

DATE: December 29, 1986

TO: Philip J. Migliore, M. D.
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FROM: M. V. Gresik, M. D. *MVG*

RE: Project: The Development of the Lymphoid System (3-83-0004)

Several methods of tissue preparation have been tried to achieve accurate localization of staining, maximum staining of surface receptors, and minimum background. None of these methods have been ideal so far. We are now trying plastic embedding techniques with a variety of monoclonal antibodies. Initial studies have shown good histologic detail and adequate staining for B cells, histiocytes, and a pan T cell reagent. Additional work is necessary to get the T cell subset reagents to work with this method. Several trial samples of fetal tissues have been collected and processed in plastic. Once the technical problems with the T cell reagents is resolved, additional cases can be collected to cover a broad age spectrum. The original reagents are still frozen and available for use. No additional materials will be needed for the project.

Thank you.

MVG:dms