



GTI DIAGNOSTICS

Good science starts with people.®

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INFORMATION SHEET

GTI ABC AND DR COMPLEMENT TITRATION TRAY

PURPOSE:

The purpose of these trays is to provide a convenient way to test, titer, and compare complement lots in your laboratory. Each tray contains dilutions of one weak and one strong antibody, plus controls. You choose the type, specificity, and number of cells used for testing. Assay under your conditions, with the techniques used in your laboratory.

INSTRUCTIONS FOR USE:

Choose cells which are heterozygous and obtainable over time for retesting purposes. Select known cells: two that are positive and one that is negative for the antibody specificity on the titration tray. Prepare cells according to your normal procedures for lymphocytotoxicity testing and plate one cell on one entire tray. An appropriate lot of complement should be diluted as indicated on the top of each column on the recording sheet. The complement should be diluted with RPMI or a comparable isotonic solution. Dilute complement immediately before using to ensure optimum reactivity. Complete the assay according to usual procedure. To interpret results note the highest complement dilution that reacts positively in your assay. This is the endpoint. Complement should be used at a dilution which is less than the endpoint. However, the endpoint should compare to previous assays or with the new lot chosen for use to obtain consistent levels of reactivity in your laboratory. All controls on the tray also need to react appropriately for valid interpretation.