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PREPARING FOR A CYTOTOXICITY ASSAY USING ATS SECONDARY ANTIBODY CONJUGATES

GOAL: To perform a Cytotoxicity Assay that will determine the ability of your targeting agent to
1) bind to an extracellular marker, 2) internalize, and 3) cause cell death.

HOW MUCH MATERIAL WILL YOU NEED?

Targeting Agent: _____ μg
(see "Concentration Calculation: Convert molarity to mg/ml and mg/ml to molarity")

Secondary Conjugate: _____ μg
(see "Preparing Test Samples Using Secondary Conjugates")

Control Conjugate: _____ μg

WHAT OTHER MATERIALS WILL YOU NEED?

Cells that express target receptor (**Note: do not use reducing agent in media**)
Microcentrifuge tubes
96-well plates with lids
Media (appropriate for your cells)
MTS, Promega #G1111
PMS, Promega #G1112

HOW LONG WILL THE ASSAY TAKE?

Five days. (see "Cytotoxicity Assay for Targeted Toxins *in vitro*")

WHAT EQUIPMENT/SOFTWARE WILL I NEED TO INTERPRET THE RESULTS?

Vortexer
Incubator
Plate Reader
Softmax (Molecular Devices) or comparable software
Prism Software (Graphpad)
(see "Preparing and Interpreting Cytotoxicity Data")