

## Corporate Toxicology Study Outline July, 1998

### **Title:** FC-129 Preliminary ADME Screen in Rats

**Timeline:** In Life Start Date: 7/13/98  
In Life End Date: 7/17/98

**Purpose:** This study is designed to provide preliminary information on the absorption, distribution, metabolism and excretion (ADME) of FC-129.

**Significance:** The results of this ADME screen will be compared to the test results from similar studies on other compounds.

**Objective(s):** The objective is to rapidly screen FC-129 for its ADME characteristics, in particular the formation of persistent metabolites.

### **Protocol:**

- Charles River Rats /Sprague Dawley/CD/ 415-475 g
- 6 males
- Single dose, oral gavage
- 0 and 5 mg/kg
- 3 rats per group
- Individually housed in metabolism cages
- Commercially available certified Laboratory Rodent Diet #5002 (PMI Feeds, St. Louis, MO) *ad libitum*
- Water *ad libitum*
- Urine and feces collected days 1, 2, 3 and 4 post dose
- Necropsy day 4 post dose
- Liver and sera collected
- Analysis for parent compound and suspected metabolites by Kris Hansen, Ph.D., 3M Environmental Technology and Safety Services.

**Sponsor:** 3M Specialty Chemicals Division.

**Principle Investigator / Location / Cost:** Andrew Seacat / 3M Strategic Toxicology Laboratory

**Report:** Mean concentrations of FC-129 and its metabolites in the collected tissues for each group will be analyzed for differences between means and considered significant at the  $p=0.05$  level.