RISK ASSESSMENT TOOL for LABORATORY PROCEDURES

PROCEDURE IDENTIFICATION:

List chemicals used. Attach MSDS and any written procedures.

Toxic Cryogenic Corrosive Cryogenic Cryogeni	5 5 5
USE HIGHEST SCORE ONLY Flammable Corrosive Toxic 0 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4	5
Flammable 0 1 2 3 4 Corrosive 0 1 2 3 4 Toxic 0 1 2 3 4	5
	5
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
0 3 1 2 3	5
Explosive Hazard No Yes	
0 0 5	
Radiation Hazard Minimal Normal Hi	gh
0 1 2 3 4 5	5
Other Hazard: Specify & Score Minimal Normal Hi	gh
0 1 2 3 4 5	5
Special Hazards: Inhalation Toxicity 0 5 Reactive 0	5
Procedure Detailed & Written Routine Under Dev	elopment
0 1 2 3 4 5	
Personnel Preparedness & Fully Trained & Prepared Routine Untrained Training	i
0 2 4 5	
Ventilation Needed Hood Used General Lab Only Not Used	
0 3 4 5	
Shielding Needed (NA=0) Used Not Use	d
0 5	
Equipment Maintenance Regularly Performed & Documented Never Per	rformed
0 1 2 3 4 5	

RECOMMENDED ACTIONS BASED ON SCORE					
LOW	< 15	Procedure can be performed with routine precautions.			
MODERATE	15 - 25	Procedure can be performed with attention given to specific hazards. Supervision is recommended.			
HIGH	26 - 30	Procedure may be performed if necessary. High level attention must be given to all hazards. High level, continuous supervision is mandatory.			
EXTREME	> 30	Procedure must be revised to lower the risk.			

If score is > 25, risk reduction actions should be identified and implemented.

INSTRUCTIONS

Complete the LABRAT as part of the the procedure review. Scoring is based on a 0 - 5 scale, with 0 being "NOT APPLICABLE" and 5 being "Extreme" Your can assign any score to a specific box applicable, even if the score vale is not shown on the RAT. After scoring, interpret the score using the guidelines in the top of the right column. The PI can increse decrease the assessment, based on the situation.

List Chemicals Used

Chemical	Volume or Weight

ADVANCED CHEMICAL SAFETY RISK ASSESSMENT TOOL LABORATORY PROCEDURE

Date:	Lab Location:			Type of Work: 9 DEVELOPMENTAL 9 ROUTINE
SEQUENCE of STEPS & ACTIONS	HAZARDS ASSOCIATED or ACTION	w/ STEP	RECOMMENDED CONTROL PROCEDURES	JOB CONTROLS Check items which apply to job. All checked items mus addressed in the Work Plan.
				## MSDS ## Fume Hood ## Shielding ## Spill Containment ## Fire Suppression Equipment ## Grounding & Bonding ## Hand Protection Required ## Eye Protection ## Respiratory Protection ## Gloves ## Gloves ## Respiratory Protection: SCBA or APR ## Lifting ## Special PPE ## Heat Protection ## Cold Protection ## Radiant Energy Protection ## Electrical Hazards
List All Assigned:		JOB 1	HAZARDS	EMERGENCY RESPONSE
List Conditions used, particularly pressure. List all Monitoring Equipment No		и и и и и	Exposure to Public Fire Hazards Toxic Chemical Hazards Health Hazards Pressure Hazards Pressure Relief Valve; Rupture Static Electricity Hazards Other (list)	Alarm Method Evacuation Meeting Point Local EMS: 911 or Local FD 911 or Local PD 911 or e Disks Sewer Authority: Air Quality: Environmental Services: Client Contact: phone:
ENVIRONMENTAL ISSUES				J:\FORMS\RATS\LABRAT-all.wpd

ENVIRONMENTAL ISSUES

11 Releases to air

11 Releases to land

11 Releases to water

11 H/W Generated N/A = Not Applicable