

RISK ASSESSMENT TOOL for LABORATORY PROCEDURES

PROCEDURE IDENTIFICATION:

List chemicals used. Attach MSDS and any written procedures.

Chemical Volume(s)	Micro < 0.5 L	0.5	Normal	2 L	Large > 2 L
	1	2	3	4	5
Hazard Recognition	None		Routine		Extreme
USE HIGHEST SCORE ONLY					
Flammable	0	1	2	3	4 5
Corrosive	0	1	2	3	4 5
Toxic	0	1	2	3	4 5
Cryogenic	0	1	2	3	4 5
Process Conditions	N/A	Sub-ambient (P < 1 atm; T < 10°C)	Ambient (P = 1 atm; T > 10 & < 40°C)		Extreme
	0	3	1 2	3	5
Explosive Hazard	No	Yes			
	0	0	5		
Radiation Hazard	Minimal		Normal		High
	0	1 2	3	4	5
Other Hazard: Specify & Score	Minimal		Normal		High
	0	1 2	3	4	5
Special Hazards:	Inhalation Toxicity	0 5	Reactive	0 5	
Procedure	Detailed & Written		Routine		Under Development
	0	1 2 3 4	5		
Personnel Preparedness & Training	Fully Trained & Prepared		Routine		Untrained
	0	2	4	5	
Ventilation Needed	Hood Used		General Lab Only		Not Used
	0	3	4	5	
Shielding Needed (NA=0)	Used				Not Used
	0				5
Equipment Maintenance	Regularly Performed & Documented				Never Performed
	0	1 2 3 4	5		

Initial Score: _____

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 increase decrease the assessment, based on the situation.

List Chemicals Used

Chemical	Volume or Weight

