

RISK ASSESSMENT DETAILS

RISK ASSESSMENT TITLE

UV Lamps

RISK ASSESSMENT COMPLETED BY:

Kate Millan – Health & Safety Officer

SUBJECT MATTER EXPERT:

RA NUMBER:

VERSION:

1

VERSION DATE:

18/01/2011

REVIEW DATE:

18/01/2016

IMPORTANT NOTES

This risk assessment should be reviewed fully by users of UV light sources prior to the use of such equipment for the first time.

PERSONS AT RISK

Users of UV Lamps and light sources, lab staff/students that may be in the area.

REFERENCED DOCUMENTATION: (list any other sources of information that relates to this risk assessment, e.g. SOPs, other Risk Assessments etc)

OVERALL RISK RATING

MEDIUM

HAZARD IDENTIFICATION & RISK ASSESSMENT (use the Risk Matrix below to assess the risk)

HAZARD 1:

Ultraviolet radiation

ASSOCIATED RISKS:

UV burns to eyes and/or skin.

MEASURES REQUIRED TO REDUCE RISK:

1. Training in the safe use of UV Lamps and equipment and the effects of exposure to UV radiation must be conducted by a competent person prior to use.
2. A “danger UV Lamp” sign must be displayed on or near the equipment when in use.
3. UV Lamps/Light sources must be visually inspected before each use and damaged units reported to the Infrastructure Officer immediately. Damaged units must not be used until they have been examined by a competent person.
4. All UV Lamps/light sources must be maintained as per the manufacturer’s recommendations.
5. Full PPE must be worn at all times – this includes full length lab coat, gloves and eye protection/face shield that is UV rated. There should be no gaps between the end of the lab coat sleeves and gloves. Lab coats must be fully buttoned with wrists, arms, upper chest and neck areas covered.
6. UV Lamps/light sources should be located and used in separate areas of the laboratory, or if this is not possible then they should be used in a closed box, a suitably boarded up fume hood or in a curtained off area.
7. Contact time with UV radiation must be minimised.
8. The distance from the light source should be maximised by working at arm’s length and avoiding stooping over the work surface.

RESIDUAL RISK (When all control measures have been implemented)

CONSEQUENCE

Major

LIKELIHOOD

Rare

RISK RATING

Medium

HAZARD 2:

Electrical/Fire

ASSOCIATED RISKS:

Some chemicals may react in the presence of UV light

MEASURES REQUIRED TO REDUCE RISK:

1. Chemicals must not be stored in the immediate area of UV light use.
2. Keep flammable and combustible materials a suitable distance away from light sources.

RESIDUAL RISK (When all control measures have been implemented)	CONSEQUENCE	LIKELIHOOD	RISK RATING
		Major	Rare
HAZARD 3:			
Heat			
ASSOCIATED RISKS:			
Burns from hot equipment			
MEASURES REQUIRED TO REDUCE RISK:			
1. Lamps can get very hot during use. Always leave in a safe area or label appropriately to warn others in the lab that the unit may still be hot.			
RESIDUAL RISK (When all control measures have been implemented)	CONSEQUENCE	LIKELIHOOD	RISK RATING
	Moderate	Rare	Low
ADDITIONAL CONTROLS AFTER REVIEW			
RISK CONTROL:			
DATE OF REVIEW:		REVIEWED BY:	
RISK CONTROL:			
DATE OF REVIEW:		REVIEWED BY:	
RISK CONTROL:			
DATE OF REVIEW:		REVIEWED BY:	
HAZARD REGISTER			
If the residual risk is high or very-high after controls have been implemented, the risk assessment must be signed off by the Head of School and transferred to the Hazard Register.			
DATE ENTERED ON HAZARD REGISTER:		HEAD OF SCHOOL SIGNATURE:	
RISK MATRIX			

Consequence

		Negligible	Minor	Moderate	Major	Severe
Likelihood	Almost Certain	M	H	V	V	V
	Likely	M	M	H	V	V
	Slight	L	M	H	H	V
	Unlikely	L	L	M	M	H
	Rare	L	L	L	M	M

Almost Certain	There is an expectation that such an event will occur.	Severe	Injury resulting in death or permanent disability.
Likely	There is an expectation that such an event could occur but not certain to occur.	Major	Injury requires extensive medical treatment, hospitalisation.
Slight	The expectation of this event occurring is between "could" and "improbable".	Moderate	Injury requires formal medical treatment e.g. treatment as an outpatient in a medical facility.
Unlikely	The expectation of this event occurring is doubtful or improbable.	Minor	Injury requires first aid.
Rare	There is no expectation that this event will occur.	Negligible	Injury requires minor first aid or results in short term discomfort e.g. headache, bruise etc.