

Safety Documentation

Please select the forms you require by selecting the check boxes below. You can select more than one.	
Process Risk Assessment Method Statement	✓ Chemicals COSHH
Once you have made your selections, scroll down and complete the forms.	
Buttons : [+] will add a row to a list [X] will delete a row from a list	
You may save this file to a local drive at any time. When you have finished, save the file to a local drive and email it to your supervisor for a	authorisation.
<u>Supervisors</u> - There is a sign-off section at the end of the document set that must be co Staff may "self authorise", (as a supervisor), but the forms must still be submitted to	•

IMPORTANT:

YOU <u>MUST NOT</u> START ANY PRACTICAL WORK UNTIL THESE FORMS HAVE BEEN RETURNED TO YOU WITH **BOTH** YOUR SUPERVISOR'S AND DSO'S APPROVAL SIGNATURES ATTACHED.

Depart	tment	Wolfso	on School - Manufacturing Engineering Dept.
Name	[
email a	address	d.tamp	pakis@lboro.ac.uk
Locatio	on		CBE/ H23/H25
Project	t / Activity /	/ Task	Ageing of cells / Apoptosis

Version: 2.09

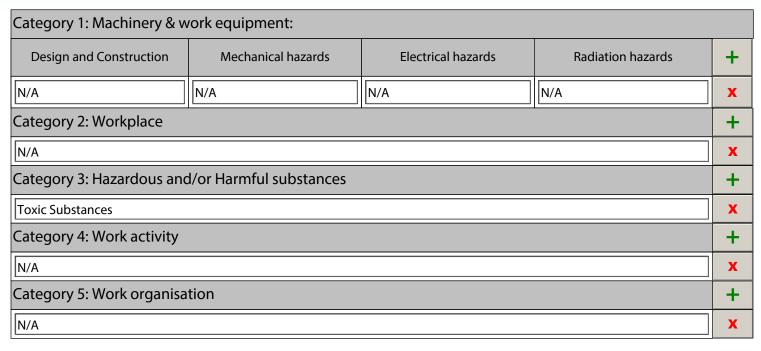


Deference CPE 201

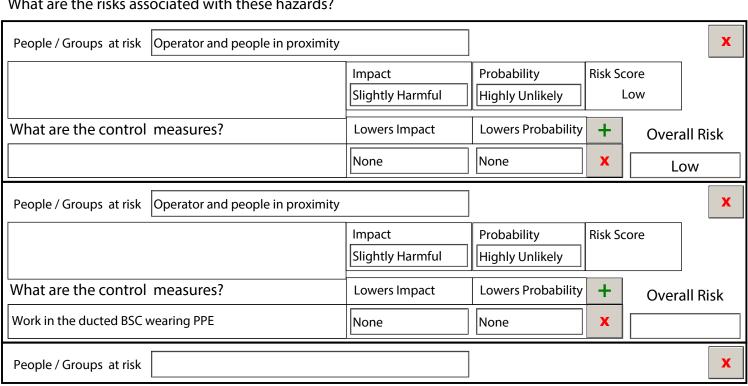
Process Risk Assessment

TOCCSS THISIC	, 133 233 111 211 2	Г	reference	CDE 201
Location	CBE/ H23/H25	Originator		
Project / Activity / Task	Ageing of cells / Apoptosis			

What are the hazards associated with this process?



What are the risks associated with these hazards?



Process Risk Assessment Form (Continued)

	Impact	Probability	Risk Score		
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+	Overa	all Risk
	None	None	X		
People / Groups at risk					X
	Impact	Probability	Risk So	core	
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+	Overa	all Risk
	None	None	X		
People / Groups at risk					X
	Impact	Probability	Risk So	core	
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+	Overa	all Risk
	None	None	X		
People / Groups at risk					X
	Impact	Probability	Risk So	core	
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+	Overa	all Risk
	None	None	X		
People / Groups at risk					X
	Impact	Probability	Risk So	core	
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+	Overa	all Risk
	None	None	X		
People / Groups at risk					X
	Impact	Probability	Risk So	core	
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+	Overa	all Risk
	None	None	X		
People / Groups at risk					X

Process Risk Assessment Form (Continued)

	Impact	Probability	Risk S	core	
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+	l <u> </u>	II D: I
What are the control measures.				Overa	all Risk
	None	None	X		
People / Groups at risk					X
	Impact	Probability	Risk S	core	
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+	Overa	all Risk
	None	None	X		
People / Groups at risk					X
	Impact	Probability	Risk S	core	
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+	Overa	all Risk
	None	None	X		
People / Groups at risk					X
	Impact	Probability	Risk S	core	
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+	Overa	all Risk
	None	None	X		
People / Groups at risk	1				X
	Impact	Probability	Risk S	core	
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+		
What are the control measures:		1		Overa	all Risk
	None	None	X		
People / Groups at risk					X
	Impact	Probability	Risk S	core	
	Slightly Harmful	Highly Unlikely			
What are the control measures?	Lowers Impact	Lowers Probability	+	Overa	all Risk
	None	None	X		
	dd another Risk				

Process Risk Assessment Form (Continued)

Personnel Group	Maximum (Task setup/ Reconfiguration) High (Performing the task	Medium (Observing the task) Low (Present, but n involved)	Lone Working (Out of hours)	No Exposure Permitted	Total
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Who may be at risk as a result of this activity?

Personnel Group	Maximum (Task setup/ Re- configuration)	High (Performing the task)	Medium (Observing the task)	Low (Present, but not involved)	Lone Working (Out of hours)	No Exposure Permitted	Total
Academic Staff	0	0	0	0	0	0	0
Technical Staff	0	0	0	0	0	0	0
Research Staff (PDRA)	0	0	0	0	0	0	0
Research Students (PhD)	0	0	0	0	0	0	0
Students (Undergraduate / MSc)	0	0	0	0	0	0	0
Visitors	0	0	0	0	0	0	0
Others - Over-type as needed	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

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With these controls in place, the risk is:



COSHH Forr	n			R	eference				
Location	CBE/ H23	:/H25		0	riginator				
Project / Activity / Task	Ageing o	of cells / Apoptosis							
CHEMICAL NAME			10	^	^		Hazard		X
Caspase 3 Assay Kit, Colorimetric			<u> </u>				Rating High	OVERAI	LL
CAS No. W.E.L. (Itel / stel)		Amount used use (hrs) 0.1 ml 2		Physical State		Eyes Skin Inhaled Ingested	Exposure Potential Low	Mediu	_
Hazard Sta	atement a	nd Description		Precauti	on Statem	ent and Desc	cription		+
H301 Toxic if swallowed.			P261 Avoid brea	nthing dust/fu	ıme/gas/mist	/vapours/spray			x
H311 Toxic in contact with	n skin		P273 Avoid relea	ase to the env	vironment.				x
H331 Toxic if inhaled.			P280 Wear protective gloves/protective clothing/eye protection/face protection.						x
H373 Causes damage to o	rgans throug	gh prolonged or repeated expos	s P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.						x
H412 Harmful to aquatic li	ife with long	lasting effects.	P311 Call a POISON CENTER or doctor/physician.						x
How will the precaut	ions listed	l above be implemented?)						
wear of PPE and work	in ducted	I BSC							
Special Storage and	Containm	ent Measures	Disposal Method						+
-20C appropriately lal	belled		Other - CBE c	ytotoxic w	aste route				x
How will spillages be	e dealt wit	h?							
Spill kit (cytotoxic)									
		+ Ac	dd another cher	mical					
Statement of work (Pr	ocess to b	e undertaken)							
		type of cells) with the ass flow cytometer or fluores						acc with	ow age
Personal protection re precaution statements	•	ts not covered in the							
Gloves / shoe covers /	lab coat a	nd googles							
Sources of information	n and refe	rences							
MSDS sigma									

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COSHH Form (Continued)

With the current controls, the risk of using these chemicals is: Medium

Supervisor to check that the process involving the safe use of these chemicals has been satisfactorily evaluated



Supervisor and Departmental Safety Office (DSO) Sign-off.

Supervisors

Please check the documents above and if you want to approve them:

- 1) Electronially sign this document
- 2) Save it to a local drive (You will be prompted to do this)
- 3) eMail the signed document to the DSO.

DSO

Please review the documents above and if you want to approve them:

1) Enter the reference numbers as appropriate

2) Electronically sign this3) Save it to a local drive3) eMail the signed docur	(You will be prompte			
	m, but click the "Not	SE THE FORMS, Approved" check-box and retement to do to put it right in the c		Not Approved
Supervisors Signature				
	I	Form Reference Numb	pers	
Risk Assessment CBE 281		Method Statement	COSHH Assessme	ent
DSO Signature				
This document set mus 1) After the first occurrence of 2) After any change to the pr	of the activity describ		ollowing times:	
3) After any incident resulting4) At least annually from the			Next Review:	14/11/2018
Review comments				

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