

IIIIe	Pratika S20 Benchto	op stream	n Sterilizer
School/Business Unit	Environmental and Rural Science	Location (building/lab/ workshop if applicable)	W55 Chemical analysis laboratory Room 327

JSA Development Date	21/7/17	JSA Development	Paul Lisle
JSA Review Date	21/7/22	Team	

#### Relevant Australian Standards / Codes of Practice / Legislation

Australian Standard AS2182

#### Relevant Safety Data Sheets (can be obtained via UNE subscription to ChenWatch)

NA

#### Plant & Equipment Required

NA

#### Licenses Required

NA

#### Competencies Required

• Laboratory Induction Training and Maintenance

#### PPE Required

















	Dust Mask	Face Shield	Foot Protection	Hair Net	Protective Clothing	Respirator	Sun Protection	Breathing Apparatus
Compulsory			х					
As needed	Х	Х		х	х			

















	Hand Protection	Hearing Protection	Safety Glasses	Safety Harness	Safety Helmet	Safety Vest	Apron/Lab Coat	Welding Mask
Compulsory	х		Х				х	
As needed								

#### Additional PPE/Notes

Gloves must have long sleeves and capable of handling hot objects
Safety Inspection carried out each year by Qualified inspector and administered by FMS

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WHS F029	WHS OP006	1.1	14/09/2016	14/09/2019	1	29/09/2017



Job Steps				
Job Step	Potential Hazards	Risk Score*	Controls	Residual Risk*
Before loading autoclave  1. Check distilled water container fill with RO water as needed.  2. Check dump tank(1) and empty if necessary	Water spill  Empty contents down sink	4	Care, don't rush	3
3. check blue door seal and clean if necessary	Vacuum seal may cause 'Pressure Error' message	4	Engineering, Error message. Clean as per instruction sheet located near autoclave	3
4.Do not overload load autoclave	Not correctly sterilized	4	Error message if sterilization cycle is unsatisfactory Leave a reasonable gap for steam to penetrate contents	3
Select the correct cycle according to desired sterilization outcome Read manual located near the autoclave for detailed instructions	Not correctly sterilized	4	Error message if sterilization cycle is unsatisfactory Read manual located near autoclave to determine correct cycle	3
Do not attempt to open the door during the sterilization cycle or whilst the chamber is pressurised	Steam may escape and burn operator	8	Engineering, Door lock fitted will not operate if error message detected, safety Induction training and guidance	4
After cycle has finished indicated by display, do not to open door until pressure gauge has returned to zero  Ensure that the cycle has completed and both temperature and pressure have returned to zero.	Steam may escape and burn operator	8	1.Engineering, Door lock fitted will not operate if error message detected, 2. Display will indicate cycle has finished and pressure gauge will read zero to indicate it's safe to open the door.  3.safety Induction training and guidance	4
When unloading Wear heat- insulating gloves, eye protection , lab coat, and closed-toe shoes. Ensure you have space to place the contents on a heat proof surface and other lab user keep a safe working distance	Hot objects may burn user or bystanders Surface maybe damaged by hot objects. Allow contents cool completely before handling without gloves.	6	Safety awareness, don't rush think before you act, use PPE	4

<sup>\*</sup> The risk score and residual risk is determined by following steps 1-4 below.

STEP 1		STEP 2					
enmaed	Method of occurrance	Determine sav	971k//301k9914916996093				
Risk Score	Calculator: Definition of Terms						
Rare	Likely to occur here only in very exceptional circumstances	ിടെള്ളത്താ	No personal injury; and/or No adverse media attention; and/or Financial cost under \$2000				
Unlikely	Could occur here at some time	Wilner	Minor personal injury (first aid treatment); and/or Adverse Local Media Coverage; and/or Cost \$2000-\$50,000				
Possible	May occur here at some time	Wicerarate	Serious personal injury (medical treatment); and/or Adverse Capital City Media Coverage; and/or Cost \$50,000-\$250,000				

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Likely	Will proba	ably occur here (has before)	Major	Serious Personal Injury/long term absence; and/or Adverse & Extended National media Coverage; and/or Cost \$250,000 - \$1m				
Almost Certain	is expected to occur field in							
STEP 3: [	Determine R	isk Score			arer i maneral ecci n	nore than \$ million		
Risk Scor	e Calculato	r: Matrix						
			Sev	erity/Consequen	ce/Cost			
Likelihoo	d	Insignificant	Minor	Moderate	Major	Catastrophic		
Rare	<b>阿里尔里里亚河</b> 4	2	3	4	5	6		
Unlikely		3	4	5	6	7		
Possible		4	5	6	7	8		
Likely		5	6	7	8	9		
Almost C		6	7	8	9	10		
	etermine R	isk Score Respons	e Priority					
Risk Scor		Score Response						
9-10	Severe	e risk. Highest of prid	orities. Must be rectifi	ed immediately.		3		
8	Very h	igh risk. Requires ur	gent attention for qui	ck resolution. Tem	porary controls to b	e implemented.		
	Moder	ate to high risk Prop	npt planning and res	olution required wi	th consultation	·		
	Model	Moderate to high risk. Prompt planning and resolution required with consultation.  Low to moderate risk. Consult and identify controls that are reasonably practicable						
6-7 4-5	Low to	moderate risk. Con	sult and identify cont	rols that are reaso	nably practicable			
4-5 3	Low to	o moderate risk. Con ow risk. Minor issue	sult and identify cont for monitoring	rols that are reaso	nably practicable			
4-5 3 2	Low to Very lo Insigni	o moderate risk. Con ow risk. Minor issue ficant Risk	for monitoring	rols that are reaso	nably practicable			
4-5 3 2 STEP 5: Ir	Low to Very lo Insigni nplement th	o moderate risk. Con ow risk. Minor issue ificant Risk ne Highest Control	for monitoring	rols that are reaso	nably practicable			
4-5 3 2 STEP 5: In	Very lo Insigni nplement th of Controls	o moderate risk. Con ow risk. Minor issue ificant Risk ne Highest Control	for monitoring	rols that are reaso	nably practicable			
4-5 3 2 STEP 5: In Hierarchy	Very lo Insigni nplement th of Controls he hazard	o moderate risk. Con ow risk. Minor issue fficant Risk ne Highest Control	for monitoring  Possible	rols that are reaso	nably practicable			
4-5 3 2 STEP 5: In Hierarchy Eliminate to Substitute	Very log Insigning Insigni	o moderate risk. Con ow risk. Minor issue fficant Risk ae Highest Control with something safer	for monitoring  Possible	rols that are reaso	nably practicable			
4-5 3 2 STEP 5: In Hierarchy Eliminate to Substitute Isolate the	Low to   Very to   Insigni   Insig	o moderate risk. Con ow risk. Minor issue fficant Risk the Highest Control with something safer people	for monitoring  Possible	rols that are reaso	nably practicable			
4-5 3 2 STEP 5: In Hierarchy Eliminate to Substitute Isolate the Introduce of	low to Very low Insigning	o moderate risk. Con ow risk. Minor issue fficant Risk the Highest Control with something safer to people controls	for monitoring  Possible	rols that are reaso	nably practicable			
4-5 3 2 STEP 5: In Hierarchy Eliminate t Substitute Isolate the Introduce of	Very lo Very lo Very lo Insigni inplement the of Controls the hazard the hazard from engineering of administrati	o moderate risk. Con ow risk. Minor issue fficant Risk the Highest Control with something safer to people controls	for monitoring  Possible	rols that are reaso	nably practicable			

Approval of JSA						
Name	FRANK LEAVE	Title	ERS Mar			
Date	3/10/17	Signature	CXOO Z			
Date	5/10/17	Signature	XXXX			

Sign (	Off								
compete	nce to	hall provide inform ers (and supervisors complete the job in e there is concern	s) to indicate their a safe manner as	understanding deemed by the	g of t	the Job Safety Ana	lysis a	nd indicates	their
Date	Wor	ker Name	Worker S			upervisor Nar		Superv Signati	
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#### Records Storage Instructions

All completed JSAs are to be recorded in TRIM Container A16/3851 utilising a TRIM license in your School/Business Unit. Only the HR Team is able to view records in this container. Completed JSAs are to be published on Safety Hub for ongoing utilisation.

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