Manual Tasks Risk Assessment

WHS-PRO-TEM-002c



Electronic copies of this checklist are current. All other copies are uncontrolled and currency can only be assured at the time of printing

Date of assessment:	17th October 2019			
Name of assessor(s):	Assessment team members names			
Position(s):	Position titles			

Step 1: What is the manu	ual task?					
Name of task:		Accessing chest freezer for the retrieval or placement of research specimens in XYZ laboratory.				
Location where task occur	s: XYZ lab	XYZ laboratory, Building 123, JCU Smithfiere Campus				
Who performs the task:	Resear	Research Team				
General description:		Staff are required to retrieve or replace multiple specimens of various size, shape and weight, into or out of chest freezers				
Postures:	Forwar	Forward lean over chest freezer edge, combined with reaching down inside freezer.				
Forceful / muscular exertions:	• Tig	 Tight gripping; 				
Repetition and duration:	nur	 Retrieval of the samples within 30 minutes. This involves frequent moving and lifting numerous other speciment in the chest freezer to access the particular specimens that are required. 				
Tools or equipment used:		• Hydraulic trolleys, additional fixed height trolley and wheelbarrows used to transport specimens between shest freezers and required locations.				
Work / task organisation a environment:		Itiple chest freezers a red in front e.g. trolle		st the wall of the roon s, wheelbarrows;	n, with other items	
Step 2: Is the manual tas	k hazardous	6? (Hazardous manual ta	nsks can result in a	sprain or strain)		
Question 1 – Does the tarfactors? Repetitive movement Sustained or awkward Repetitive or sustained	postures (Re		SUST	TITION = >2 times / ute TAINED = Held for > 30 nds at a time	If yes, to both Questions 1 and 2	
Question 2 – Does the task involve long duration? Is the task done: □ for more than a total of two hours over a whole shift ☑ continuously for more than 30 minutes at a time?				DURATION = ntinuously > 30 min; OR total of 2hrs over shift	= HAZARDOUS	
Question 3 - Does the tas Yes (4-5) No (1-3)	sk involve s	udden or near maxir	nal force?			
1 No effort	2	3 Moderate Force	4	5 Maximum Force	If yes to Question 3 = HAZARDOUS	

Version: 21-1	Approval Date: 5/10/2021	Next Review Date: 5/10/2024	Page 1 of 4
---------------	--------------------------	-----------------------------	-------------

Question 4 – Does the tas					If yes to Question 4 = HAZARDOUS
Yes (4-5) or if residual sensati	on remains after complet	ing the task	No (1-3)	5	
None		oderate		Extreme	
Step 3: What is the source	e of the risk?				
(These are the things that are cau	sing the risk. They are a	lso the things th	nat may be changed in o	order to eliminate or minimi	se the risk).
☐ Work area design and I	ayout: <i>work space a</i>	vailable; des	sign of workstation,	furniture and equipm	ent
Chest Freezer:					
• Height of front edge: o					
Base inside freezer: ap	· · · · · · · · · · · · · · · · · · ·	-	-).
• Specimens within free	and the second		1		
• Specimens may expan chest freezer.	a slightly when froz	en which mo	ly restrict an individ	dual's ability to remov	ve the specimen from a
chest freezer.					
The chest freezer design red	nuires the individual	to loop for	hatar	und rough down into th	ha taazar The lass of
neutral spinal curvature oc		-			
discs. Upon lifting / lowerin					
injury.					
The nature, size, weigh	t or number of thing	s handled in	performing the ma	nual task:	
• Specimens handled th	roughout this task v	ary in size, v	veight and shape;		
• Specimens are stored				;	
• Specimens may be aw	kwardly shaped;				
• The specimens that ar	e required for retrie	val may be p	positioned underne	ath multiple other spe	ecimens requiring
additional lifting, gras					
• Retrieval of up to 6-7					
 Average weight of sp Maximum weight of s 					
				-	
Systems of work (e.g. p					
 Tasks can be self-paced however the general timeframe available for this task is around 30 minutes; A second staff member is available to assist. 					
The environment in whi environments):	ch the manual task i	s performed	(e.g. flooring; obs	tructions; lighting; hot	t/cold/humid
• Concrete flooring, air-	conditioned room;				
Adequate lighting,					
• Access to chest freezes is obstructed by other items including trolleys, cages, wheelbarrows, requiring additional					
manual handling at the time of this task.					
Step 4: How do I control t	he risk? (Consider t	the hierarch	y of control. A rang	e of controls may be r	required).
Can the task be elimina	ted?				
No. The task is required for	storage and retriev	al of specim	ens for research pu	irposes.	
Can you change what is causing the risk (the source)? (E.g. change the work area; alter the size of loads; use mechanical aids; manage environmental conditions; use adjustable equipment; implement preventative maintenance program.)					
Yes. The source of the risk can be substituted with an improved freezer design i.e. walk-in freezer					
Version: 21-1	Approval Date: 5/	10/2021	Next Review Date:	5/10/2024	Page 2 of 4

What training is needed to support the control measures? (*Training needs to be task specific. Training in lifting techniques is not effective as the sole or primary means to control the risk of sprains/strains*).

Training regarding workflow design, specimen storage locations would be of benefit in a walk-in freezer e.g. placing smaller, lighter bodies on higher shelves.

Implement controls

Person(s) responsible for approving controls:

John Doe

Jane Doe

Person(s) responsible for putting controls in place:

By when:

Evaluated on:

25th December 2020

Step 5: Review the controls

Assessor:

Consultation undertaken with all workers?

Have the controls implemented reduced the risks?

Have any other risks been created by the controls?

Can further controls be implemented to minimise the risk?

Figure 1. Postures and movements that pose a risk if they are repetitive or sustained and are performed for a long duration (i.e. continuously for 30 minutes or more than a total of 2 hours over a shift)

Can you modify the work area / task / the position of your body to eliminate this movement / posture?

			. ,
Bending the back or head forwards or sideways more than 20 degrees	201 P	Reaching forward or sideways more than 30cm from the body	
Bending the back or head backwards more than 5 degrees or looking up	2 -	Reaching behind the body	
Twisting the back or neck more than 20 degrees		Standing with most of the body's weight on one leg	
Are you able to turn your body to face your task instead of reaching around?		Very fast movements	
Working with one or both hands above shoulder height		Twisting, turning, grabbing, picking or wringing actions with the fingers, hands or arms that includes excessive bending of the wrist	
Working with the fingers close together or wide apart		Squatting, kneeling, crawling, lying, semi-lying or jumping	