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Store - Sterile Stock, General

Room Code	ST-STL-GEN
Briefed Area	8.00 m ²
Ceiling Height	2.7 m
Occupancy	1-2 staff intermittently
Hours of Operation	8am to 6pm, Mon - Fri (service may operate with extended hours, on weekends and/or for emergency and urgent care situations)

Description | The Store - Sterile Stock, General provides the space and facilities for storing sterile reusable medical devices (RMDs) and pre-stocked procedure trolleys, supporting procedures undertaken in non-perioperative areas where a sterile field is not required.

Electrical	PROTECTION: body protected	☐	HVAC	AIRCONDITIONING: general	☐
	PROTECTION: cardiac protected	☐		AIRCONDITIONING: HEPA filtered	☐
Lighting	LIGHTING: general	☒		AIRCONDITIONING: positive pressure	☒
	LIGHTING: colour corrected	☐		AIRCONDITIONING: negative pressure	☐
	LIGHTING: dimmable	☐		VENTILATION: exhaust	☐
	LIGHTING: indirect	☐		VENTILATION: supply	☐
Nurse Call and Duress	NURSE CALL SYSTEM: buttons / handset	☐	Medical Gas	VENTILATION: natural	☐
	NURSE CALL SYSTEM: annunciator	☐		MEDICAL GAS: general anaesthesia	☐
	DURESS: fixed	☐		MEDICAL GAS: special care	☐
	DURESS: wireless coverage	☐		MEDICAL GAS: special care, neonatal ventilation	☐
Security	ACCESS CONTROL: to door	☐	Hydraulic	MEDICAL GAS: birthing	☐
	ACCESS CONTROL: to item / joinery	☐		WATER: drinking	☐
	INTERCOM: service communications	☐		WATER: specialty	☐
	INTERCOM: security and access control	☐		DRAINAGE: sanitary	☐
	CCTV: camera coverage within room	☐	Fire	DRAINAGE: specialty	☐
	INTRUSION DETECTION: door monitoring	☐		DETECTION: smoke	☒
ICT and Audio Visual	INTRUSION DETECTION: spatial monitoring	☐	Shielding	DETECTION: heat	☐
	AUDIO VISUAL: patient entertainment system	☐		SHIELDING: ionising radiation	☐
	AUDIO VISUAL: visitor experience system	☐	Acoustics	SHIELDING: magnetic and radio frequency	☐
	AUDIO VISUAL: virtual collaboration system	☐		SPEECH PRIVACY:	
	AUDIO VISUAL: clinical support system	☐		not private moderate private confidential	
Accessibility	AUDIO VISUAL: digital operating room system	☐		NOISE SENSITIVITY:	
	AUDIO: hearing augmentation	☐		not sensitive low medium high	
	VISUAL: luminance contrast	☐		NOISE GENERATION:	
	SIGNAGE: accessible, statutory	☐		low moderate high very high	

Additional Considerations

Planning Context

- Room size is to be confirmed at project level to suit service requirements, inventory management and the selected reprocessing model. Consideration should include the number of dental chairs supported, including sterile stock requirements for mobile dental units where applicable; use of on-site or off-site reprocessing; frequency and method of sterile stock delivery; required redundancy where off-site reprocessing is used; and instrument tracking, stock rotation and replenishment processes.
- This Standard Component provides 8m² for serving up to six dental chairs, with shelving units providing approximately 1.5–2 linear metres of storage space per shelving unit. As a preliminary planning allowance, additional storage area of approximately 0.5m² per additional dental chair may be required where on-site reprocessing is used, increasing to approximately 1m² per additional dental chair where off-site reprocessing is used. Final requirements are to be determined at project level based on the quantity and type of

sterile stock to be stored, delivery frequency, inventory levels and selected storage systems. Refer to HPU 280 Oral Health for more information.

- Easy access between the Store - Sterile Stock and Dental Treatment rooms is recommended to support efficient distribution of sterile instruments and consumables. Where the service supports mobile dental units, access to loading and distribution areas should also be considered in planning the location of the room.
- Where on-site reprocessing is undertaken, the Store - Sterile Stock should be located in close proximity to the Sterilizing Room. Where the rooms are adjacent, direct access may be considered where this supports the intended workflow and reduces unnecessary movement of sterile instruments through general circulation areas.
- Where pass-through sterilizers between the Sterilizing Room and Store - Sterile Stock form part of the selected reprocessing model, the room areas and layouts are to be planned together to support unloading, cooling, handling, tracking and storage workflows. Area otherwise required within the Sterilizing Room for cooling of sterilized instruments may need to be accommodated within the Store - Sterile Stock depending on the selected equipment and workflow.
- Adequate space is to be provided for parking and manoeuvring trolleys used for the delivery, receipt and unpacking of reprocessed instruments. The number, dimensions and circulation requirements of trolleys are to be confirmed at project level to suit the selected reprocessing and distribution model.

Furniture, Fixtures and Equipment (FF&E) Selection

- The configuration of the room and selected FF&E is to comply with the requirements of AS/NZ 5369. Applicable jurisdictional requirements, infection prevention and control (IPC) policies and service-specific requirements are also to be confirmed at project level.
- The type, extent and configuration of storage systems, including shelving, baskets and wire drawer units, are to be confirmed at project level to suit the type and quantity of sterile instruments and consumables, sterile barrier systems and protective packaging, inventory requirements, stock rotation processes and any instrument tracking system.
- Storage systems are to support safe handling of sterile stock and minimise the risk of damage to items or sterile barrier systems and environmental contamination. Surfaces and storage configurations are to be suitable for the required cleaning and infection prevention and control regime.
- Sterile instruments are to be stored separately from sterile consumables. Separation may be achieved through allocation of different shelving or storage zones within the same room.
- The lowest shelf is to be located at least 300mm above finished floor level to reduce the risk of mechanical damage during cleaning. The highest shelf is to be no higher than 1700mm above finished floor level to support safe access to stored items.

Work Health and Safety (WHS)

- Storage configuration and shelf heights are to support safe access, handling and retrieval of stock. Where safety steps or step ladders are required, selected equipment is to comply with applicable WHS requirements and be suitable for cleaning in accordance with local IPC policies.
- The location, configuration and loading of shelving and other storage systems should be planned to maintain safe circulation and trolley manoeuvring and to minimise manual handling risks associated with the receipt, storage and retrieval of sterile stock.

Security

- Access to the Store - Sterile Stock should be restricted to authorised personnel where required by the operational and security model. Provision of access control measures, such as card readers, is to be confirmed at project level having regard to the location of the room, surrounding areas and local security policies.
- The requirement for a fixed duress button or other staff security measures is to be determined at project level in accordance with local WHS and security policies, risk assessment and the operational model for responding to duress calls.

Infection Prevention and Control (IPC)

- The room layout, storage systems, finishes and operational arrangements are to support maintenance of the integrity of sterile barrier systems and minimise the risk of environmental contamination or damage during receipt, handling, storage and distribution.
- Provision of automated, hands-free door operation for delivery of reprocessed instruments may be considered at project level where this supports the selected workflow and local IPC requirements.

Information and Communication Technology (ICT)

- A computer and barcode scanner are indicated in this Standard Component to support instrument tracking workflows. ICT requirements are to be confirmed at project level to suit the selected instrument tracking system, service requirements and on-site or off-site reprocessing model.
- The points within the workflow at which instruments are scanned are to be confirmed at project level. Depending on the selected reprocessing and tracking processes, scanning may occur in the Sterilizing Room when identification labels are applied to cooled packs and/or within the Store - Sterile Stock when packs are received and placed into their allocated storage locations.

- Where off-site reprocessing is used, ICT requirements should consider the information and connectivity required to support tracking of instruments between the healthcare facility and the off-site reprocessing service.

Engineering Services

- Air-conditioning and ventilation are to operate continuously to maintain the environmental conditions required for sterile stock storage. Temperature and relative humidity are to be maintained, with monitoring and logging as required, in accordance with AS/NZ 5369.
- HEPA filtered ventilation is not required by this Standard Component on the basis that the reusable medical devices stored within the room are intended for use in Dental Surgery rooms that do not provide a sterile field or HEPA filtered ventilation. Any different requirements arising from the intended clinical application of stored items are to be assessed at project level.
- Positive pressure relative to adjoining areas is recommended. The configuration and location of supply air diffusers and return/exhaust air registers are to be confirmed at project level to suit the room size, layout, storage configuration and applicable requirements of AS 5369.
- Power and data requirements for the workstation, barcode scanner and any instrument tracking or environmental monitoring equipment are to be confirmed at project level to suit the selected systems and equipment.



Doors and Windows

CODE	DESCRIPTION	COMMENT
DOHI-043.01	DOOR: hinged, 1 leaf, 900 clear opening, solid, wide vision panel	
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	to corridor side, extent dependent on movement of beds and mobile equipment in adjacent area
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	to room side
AFDPR-056.01	DOOR FRAME PROTECTION: full wrap, to 900H	optional, provision and extent dependent on frame material/finish and movement of beds and mobile equipment in adjacent area



Finishes

CODE	DESCRIPTION	COMMENT
FLVY-101	FLOOR FINISH: vinyl, seamless, standard slip resistance	
FLSK-021	SKIRTING: vinyl, integral with floor vinyl, coved	
WLFI-003	WALL FINISH: paint, sterile areas	
WLFI-011.06	WALL FINISH: vinyl, to 2100 AFFL	extent of vinyl dependent on type and height of selected storage solution
CLFS-011	CEILING: flush set, suspended	
CLFI-003	CEILING FINISH: paint, sterile areas	
CLCN-031	CORNICE: square set	



Joinery

CODE	DESCRIPTION	GROUP	QTY	COMMENT
JOBE-031	BENCH: 600D, laminate	1	1	
JOBE-211	BENCH SUPPORT: bracket	1	1	



Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIBM-019	WHITEBOARD: fixed, magnetic	2	1	

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIDI-241	DISPENSER: alcohol-based hand rub, wall mounted	②	1	
FIHR-212	BRACKET: computer display screen, single, articulated, wall mounted	②	1	to computer for instrument tracking
FQGE-162	STOOL: step, safety	③	1	optional - as required depending on storage solutions selected, ensure selected item is able to be appropriately cleaned to meet infection prevention and control requirements
FQSN-152	STORAGE SOLUTION: modular system, floor standing, 400D x 600W x 2100H nominal	③	7	type, quantity and configuration of storage solutions to be determined based on service requirements and infection prevention and control policies
ITNE-076	TELEPHONE: handset, wall mounted	②	1	optional - provision dependent on WHS and operational policy, staff may carry wifi telephone handsets given the transient nature of the tasks in this space
ITNE-122	COMPUTER: single display screen, all-in-one, medical grade	③	1	on wall mounted bracket, a desktop screen or workstation on wheels is also acceptable
ITNE-203	INPUT DEVICE: keyboard and mouse, medical grade, washable	③	1	to computer for instrument tracking
ITNE-223	INPUT DEVICE: bar code scanner, medical grade, washable	③	1	to computer for instrument tracking
MMDN-121	TROLLEY: dental, procedure	③	1	



Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-201	GPO: double, wall mounted	①	2	to computer for instrument tracking
ELSW-001	SWITCH: light	①	1	
ITIN-016	OUTLET: data, single RJ45, wall mounted	①	1	optional - to wall mounted phone if provided
ITIN-026	OUTLET: data, double RJ45, wall mounted	①	1	to computer for instrument tracking

For guidance on how to use the Room Data Sheet, please visit the [AusHFG website](#).