

Compounding Lab - Standard

Design guide

To be used in conjunction with state and territory requirements



Design considerations for non-sterile standard compounding lab

- 1 Fully enclosed room of minimum size 9m²
- 2 One dedicated compounding bench (excl. powder containment hood)
- 3 Minimum of one powder containment hood, positioned to minimise disruption from traffic
- 4 Sink with hot and cold running water
- 5 Clearly designated and labelled areas for:
 - Raw Materials – non-hazardous
 - Raw material – hazardous
 - Unchecked finished compounded products
 - Recalled or expired products
 - Finished products – onsite collection
 - Finished products – for postage
- 6 Fridge / freezer / safe – as applicable for appropriate storage
- 7 All surfaces should be clean, hygienic and made of non-shedding, smooth, impervious, washable materials
- 8 Dedicated space for waste products/PPE:
 - General Waste
 - RUM bin
 - Solvent Waste
 - Contaminated Waste



STORAGE:

Separate storage for:

- Clean equipment
- PPE (disposable only)
- Documentation (SOPs, SDS, cleaning schedules, finished compounding documentation)
- Spill Kit
- Fire Extinguisher(s)



EQUIPMENT:

- All regular pharmacy compounding equipment as required by state legislation (measures, spatulas, ointment slabs etc)
- Computer with dispensing and integrated compounding software
- Phone handset / mobile phone dock
- Electronic balances capable of a readability of 0.001 g (1 mg) to an accuracy of $\pm 2\%$
- Hot plate with magnetic stirrer
- Mixing / Milling device
- Capsule filling trays



GENERAL:

- At least one door providing controlled access (if accessible from shop floor, door must be lockable and clearly signed "Authorised Personnel Only")
- Ensure the room is maintained at an ambient temperature at or below 25oC, along with adequate general and task lighting throughout the room.
- Continuous sheeted vinyl floor covering covered 150mm up wall for ease of cleaning and prevent floor-level contamination
- Must have sufficient space within the powder containment hood and sufficient power points around the hood to accommodate ancillary equipment within the hood (e.g. balances, mixes etc)



Want to chat more about a new compounding lab?

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Compounding Lab - Premium

Design guide

To be used in conjunction with state and territory requirements



Design considerations for non-sterile premium compounding lab

- 1** Fully enclosed room greater than or equal to 9m²
 - One or more dedicated compounding benches (excl. containment hood) with vibration sensitive equipment (e.g. balances) positioned away from heavy traffic areas (e.g. near doors)
- 2** Minimum of one powder containment hood per operator with a separate hood for hazardous compounding (if a separate hazardous compounding room is not available)
- 3** Dual-bowl sink with hot and cold running water with wall-mounted soap dispenser and single use towels
- 4** A dedicated compounding equipment dishwasher with validated wash and rinse cycles
- 5** Clearly designated and labelled areas for:
 - Raw Materials – non-hazardous
 - Raw material – hazardous
 - Solvents
 - Unchecked finished compounded products
 - Recalled or expired products
 - Finished products – onsite collection
 - Finished products – for postage
- 6** Fridge / freezer / safe – as applicable for appropriate storage
- 7** All surfaces should be clean, hygienic and made of non-shedding, smooth, impervious, washable materials
- 8** Dedicated space for waste products/PPE:
 - General Waste
 - RUM bin
 - Solvent Waste
 - Contaminated Waste
- 9**



STORAGE:

Separate storage for:

- Clean equipment (closed storage area to protect from contamination)
- PPE – disposable only (closed storage)
- Documentation (SOPs, SDS, cleaning schedules, finished compounding documentation)
- Spill Kit
- Fire Extinguisher(s)



EQUIPMENT:

- All regular pharmacy compounding equipment as required by state legislation (measures, spatulas, ointment slabs etc)
- Computer with dispensing and integrated compounding software
- Phone handset / mobile phone dock
- Electronic balances capable of a readability of 0.001 g (1 mg) to an accuracy of $\pm 2\%$
- Hot plate with magnetic stirrer
- Mixing / Milling device
- Capsule filling trays

Separate dedicated equipment for hazardous compounding



GENERAL:

- At least one door providing controlled access (if accessible from shop floor, door should be a keypad self-lockable door and clearly signed "Authorised Personnel Only")
- Room layout supports unidirectional workflow. Raw materials – compounding – quarantine – release.
- Ensure the room is maintained at an ambient temperature at or below 25oC, along with optimal general and task lighting throughout the room.
- Continuous sheet vinyl flooring, coved 150 mm up the wall, together with a continuous bench surface covered up the wall, to minimise contamination and facilitate cleaning.
- Must have sufficient space within the powder containment hood and sufficient power points around the hood to accommodate ancillary equipment within the hood (e.g. balances, mixes etc)



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