

LABORATORY FURNITURE

IDEALS FOR RADIOPHARMA PRODUCTION
AND NUCLEAR MEDICINE LABORATORIES



- HIGH DECONAMINABILITY
- ERGONOMIC
- MADE OF STAINLESS STEEL AISI 304



LABORATORY FURNITURE

Comecer produces a wide range of medical laboratory furniture in which the common characteristic is the high decontaminability associated to a considerable mechanical and chemical resistance of the materials used, the ergonomics, the safety and the low exposure of the operator to contaminated products.

WT1 | WORK BENCH



Stainless steel work bench with double door and 3-drawer unit. Worktop with raised border for holding the liquid and no sharp edges to allow the perfect removal of any radioactive residuals. Compartment with hinged doors.

MGL | DRAWER SAFE



This drawer safe is used for the combined storage of radiopharmaceuticals and Tc-99m generators. The safe is also perfectly suited for the storage of PET waste. The drawers are shielded with lead and are lined on the inside with stainless steel. All drawers share a common lock. The outside of the safe is made stainless steel with Scotch-Brite™ surface finish.

WBT-30 | WORK BENCH FOR TARGETS MAINTENANCE



Stainless steel work bench with double door and 3-drawer unit. Front and side shielding with mobile protection, equipped with shielded glass on the front side.

Worktop with raised border for holding the liquid and no sharp edges to allow the perfect removal of any radioactive residuals. Compartment with hinged doors.

WT3 | WORK BENCH



Stainless steel work bench with open structure and 3-drawer unit. Worktop with raised border for holding the liquid and no sharp edges to allow the perfect removal of any radioactive residuals.

DKR | SHIELDED CUPBOARD



Stainless steel cabinet to store low activity radioactive kits.

WTL/WTL-SC | WORK BENCH WITH WASH BASIN



Stainless steel work bench with sink and hinged doors.

Worktop with raised border for holding the liquid and no sharp edges to allow the perfect removal of any radioactive residuals. Lower containment compartment sealed to prevent the leakage of liquids.

Hinged front door with a key lock. Swan neck faucet for the regulation of water flow. Water flow command via photoelectric cell.

Liquid collecting polyethylene container for decay, placed in the right compartment underneath the sink, and sensor that automatically stops the water flow once the maximum level is reached (only for SC model)

ISOLA | WORK BENCH WITH REAGENT SHELVES



Stainless steel double work bench with reagent holder. Worktop with raised border for holding the liquid and no sharp edges to allow the perfect removal of any radioactive residuals.

FSI-C | SHIELDED REFRIGERATOR



Stainless steel cooling cabinet with freezer for low activity heat-sensitive radioactive kit.

LRI/LRI-SC | WASH BASIN



Stainless steel sink with hinged door. Worktop with raised border for holding the liquid and no sharp edges to allow the perfect removal of any radioactive residuals. Sealed lower containment compartment to prevent the leakage of liquids. Hinged front door with a key lock. Swan neck faucet for the regulation of water flow. Water flow command via photoelectric cell.

Liquid collecting polyethylene container for decay, placed in the right compartment underneath the sink, and sensor that automatically stops the water flow once the maximum level is reached (only for SC model).

MWC-102/MWC-202 | WASTE MODULE



This is a stainless steel work bench with shielded waste compartment used for storage of radioactive waste. The stainless steel waste module is shielded with 3 mm lead in all directions. Plastic containers can be placed inside the module to collect the radioactive waste. An opening (two for MWC-202) on the top of the worktop allows access to the plastic container. The openings are covered with a shielded lid. The plastic containers can be reached through the door in the front of the module. The door is lockable. The door opens to the right.

KK-102 | SHIELDED REFRIGERATOR



The model KK-102 consists of a stainless steel worktop with an integrated shielded laboratory refrigerator with a capacity of 120 litre and a temperature range from 2° to 20° C (digital read-out) with an acoustic alarm in case of deviation. The refrigerator has 2 interior racks allowing different heights for storage. The interior of the storage safe is lined with stainless steel. The exterior of the storage is made of stainless steel with Scotch-Brite™ surface finish.

SR4 | SHIELDED STORAGE BENCH FOR RADIOACTIVE WASTE



Stainless steel work bench for radioactive waste deposit. Worktop with raised border for holding the liquid and no sharp edges to allow the perfect removal of any radioactive residuals. The extractable trolley to transport radioactive waste containers, with key lock and a handle, is shielded on the front and on the back. The trolley ensures the operator's protection during the loading and unloading. The lower part is sealed to avoid accidentally poured liquid spilling. The rubber lined treated steel wheels ensure a good sliding movement.

WDL | SHIELDED WC FOR DISPOSAL OF ORGANIC RADIOACTIVE WASTE



The system allows the collection and the decay of radioactive liquid and organic waste produced in nuclear medicine by the use of Technetium for diagnostic purposes. It consists of a WC equipped with a shredder, which sends the sewage to a collection tank in plastic reinforced by fiberglass. When this tank is full the sewage is deviated to the second tank. A timer is present which evaluates the decaying time of the sewage. Measurement begins when the basin reaches the maximum level. It can be emptied using a key selector. When the second tank is full, the sewage is then deviated back to the first tank if it has been emptied. The cycle repeats in turn. The system also allows the sewage to be sampled via ball valves located on the front of the structure. The vapors that are produced inside the tanks are eliminated via an active coal filter.

DMI/DMI-SC | DECONTAMINATION SHOWER



Decontamination Shower with discharge into the drainage system. Basement stainless steel shower tray with raised edge to contain liquids. Column equipped with mixer for the manual regulation of the water flow and upper spray nozzle. Upper spray nozzle, PVC tent. Liquid collecting polyethylene container for decay, placed in the right compartment underneath the shower, and sensor that stops automatically the water flow once the maximum level is reached (only for SC model).

TECHNICAL DATA

LABORATORY FURNITURE	WT1	WT3	ISOLA	MGL	DKR	WBT-30	WTL WTL-SC	LRI LRI-SC	SR4	MWC-102 MWC-202	FSI-C	KK-102	WDL	DMI DMI-SC
Frame material	INOX AISI 304 - Scotch-Brite™													
Steel thickness (mm)	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Working surface height from the ground (mm)	920	920	920	920		920	920	920	920	920		920		
Weight	145 kg	106 kg	275 kg	475 ÷ 910 kg	331 kg	359 kg	130 kg	80 kg	175 kg	140 kg	359 kg	180 kg		
External dimensions (w x d x h) (mm)	1500 x 700 x 1020	1500 x 700 x 1020	2000 x 1200 x 1830	498 x 700 x 1020	700 x 700 x 1800	1500 x 700 x 1020	1500 x 700 x 1020	700 x 700 x 1020	700 x 700 x 1020	790 x 700 x 1020	700 x 700 x 1800	657 x 700 x 1020		700 x 700 x 2100
Number of drawers	3	3	12 (6 each side)	2 ÷ 4		3								
Drawer internal dimensions (w x d x h) (mm)	500 x 600 x 250	500 x 600 x 250	500 x 600 x 250			500 x 600 x 250								
Number of shelves			3		2									
Front shielding (Lead) (mm)				18 ÷ 30		30								
Lateral shielding (Lead) (mm)				12 ÷ 30		30								
Shielding (Pb) (mm)					3				3		3	3	3	
Glass dimensions (w x d x h) (mm)						180 x 120								
Shielding worktop (Pb) (mm)						20								
Number of containers									4				2	
Container capacity (l)									20	40				60
Internal dimensions (w x d x h) (mm)										735 x 630 x 725				
Capacity refrigerator (l)											180	120		
Capacity freezer (l)											40			
Refrigerator external dimensions (w x d x h) (mm)												540 x 540 x 810		

