



AyLab Organizer – integrated modular system of lab furniture.

While designing this line we based on the existing solutions of the overseas companies, used our own experience and searched for reasonable process developments.

General lab furniture line – work desks, cabinets, racks, carts, file cabinets, wash sinks - is presented as unified units and each of them may be adopted by means of adjustable options.

For example, a lab desk may be simple, open or compound type, fitted with an add-on structure that accommodates separate trays or shelves. It can also accommodate a computer monitor that would save a desk's working space, mounting for keyboard shelf is also considered. And so on.

A lab desk with wash sink can be fitted with protective screen made of chemically resistant plastic; this table can be complete with a rolling file cabinet, add-on structure, removable trays, drying device, or shelves.

Meanwhile the dimensions of all items are aligned, which enables their unity and interchangeability. Each kind of furniture and each unit may be adopted for certain working conditions.

Functionality is the main principle of the AyLab Organizer furniture system. File cabinets and carts are fitted with reliable self-castoring wheels. Each work station can be easily disengaged and set ready for sanitary cleaning. The same function is performed by "transparent" structure that is declared as a basic one for all components of this system.

AyLab Organizer system provides certain solutions for the following working tasks:

- Handling chemical agents and specimens on convenient and reliable working surfaces;
- Separate storage of small accessories;
- Storage of lab materials within humid and aggressive environments (short-term or reliable long-term one);
- Arrangement of heavy high-precision equipment;
- Document management;
- Transportation of different cargos, specimens, and equipment.

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Lab cabinets with ventilation unit



Lab cabinet with ventilation unit ШВ is purposed for outfitting of diagnostic labs in order to enable chemical analysis of materials. Cabinet dimensions (WxDxH) 1200x700x2140 mm.

CONVENIENT

- »Transparent» structure face and side cabinet panels are made of glass.
- Trizonal exhaust screen arranges effective elimination of different density gases.
- Дверка шкафа сдвижная высота проёма 500 mm.
- Smooth door fixing in any intermediate position is achieved by means of weight compensation system.

SAFETY

- »Stop leak» system prevents fluids from inflowing into a chamber corners and simplifies cleaning.
- Armored glass provides protection from chips and accidental injuries (in case of glass fracture).
- Adjustable supports компенсируют неровности пола.
- ◆ High structural durability table boards may bear unified load up to 300 kg.
- Materials used for fabrication perform antimicrobial functions, prevent fungi/ mold growth.

RELIABILITY

- High chemical resistance is obtained by means of usage of modern materials.
- Table board химически стойкий HPL plastic.
- Frame material steel with antimicrobial polymer coating (provides highest grade protection of metal parts from corrosion and mechanic injuries).
- Wall-adjacent piece 200 mm in height is made of stainless steel.
- Drainage sink is made of chemically resistant polypropylene (option).
- ◆ Heat-resistant insert is made of mineral stone, 450x600 mm (option).

Fabrication versions

ШВ-1па



Table board: HPL plastic with «stop leak» system.

ШВ-2па



● Table board: HPL plastic + polypropylene wash sink. Complete with mix tap and S-tube.

ШВ-1ка



• Table board: HPL plastic + heat-resistant insert.

ШВ-2ка



■ Table board: HPL plastic + heat-resistant insert + polypropylene wash sink. Complete with mix tap and S-tube.

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Exhaust chamber options

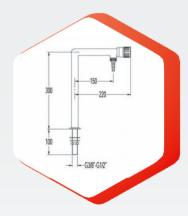


Polypropylene drainage sink 250x100x150 mm

Sink is made of anticorrosive polypropylene. Fabrication method: pressure casting, fitted with spiral drain.

This is a single piece seamless item. Color: Polysink with antireflection properties.

Complete with S-tube.



Water tap (L - shaped)

Water taps can be fitted with valves with oil caps and sealed by means of EPDM (rubber based on mixed ethylene, propylene and diene monomer), or valves with ceramic caps of ¼ revolution.



Polypropylene drainage sink 100x100x100 mm

Sink is made of anticorrosive polypropylene. Fabrication method: pressure casting, fitted with spiral drain.

This is a single piece seamless item. Color: Polysink with anti-reflection properties.

Complete with S-tube.



Water tap (S-bend type)

Durable connecting sleeve (removable type) complies with DIN 12898. Gates comply with EN 13792:2000; they are made of acid-resistant ABS-plastic.

Taps comply with DIN 12918. Max operating pressure - 10 Bar.



Sockets for extra device connection

To be located on front pedestal panel (under table board), cut-in type, earthing/ protective cover are provided. Protection grade: IP44.



Shelf 160x135 mm

This item is purposed for arrangement of extra lab accessories within a lab cabinet IIIB.

Material: steel with polymer coating and high strength chemically-resistant plastic.

Lab desks



Lab tables are purposed for outfitting of diagnostic labs, hospitals and healthcare providers.

CONVENIENT

• Structure «transparency» improves treatment accessibility, minimizes dust accumulation and creates no obstacle for free air circulation.

QUALITY

• High table board chemical resistance (HPL plastic table board), MICROBAN® protection, and high moist / wear resistance performance.

SAFETY

• "Stop leak" system prevents fluid spillage on the floor. Rounded corners simplify cleaning process and improve operating features of an item.

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Work surface – high strength chemically resistant HPL plastic 600x900/1200/1500 mm.

Frame construction – steel frame with antimicrobial coating (consists of 2 welded supports, connecting screen and two stiffeners).

Fabrication versions





Lab table options



Cable organizer

Purposed for arrangement of group sockets and cable routing.



Single add-on structure Height: 355 mm

This item is purposed to improve functionality of table by means of arrangement of hinged components (trays, shelves, brackets).

The following options are available as per table length: 900/1200/1500 mm accordingly.



Wall-adjacent piece

This item limits a table's work surface and prevents small accessories from dropping on the floor from backside.



Double add-on structure Height: 555 mm

This item is purposed to improve functionality of table by means of arrangement of hinged components (trays, shelves, brackets).

The following options are available as per table length: 900/1200/1500 mm accordingly.



Computer unit platform

This item is purposed for arrangement of computer units. Bracket is standard type; to be mounted on left/ right table support (as per customer's choice).



Keyboard shelf

This item is purposed for arrangement of keyboard under table board and widen work surface.

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Hinged components for add-on structures of lab tables



Shelf 515x250 mm

is purposed This item arrangement of different documents and lab accessories.

Material: steel with chemically resistant plastic polymer coating.



Shelf 1030x250 mm

purposed This item arrangement of different documents and lab accessories.

Material: steel with chemically resistant plastic polymer coating.



Tray 305x220 mm

is purposed item arrangement of different documents and lab accessories.

Material: steel with polymer coating.



Tray 305x113 mm

purposed is arrangement of small accessories.

Material: steel with polymer coating.



Mounting panel

item is purposed combining of a number of trays (located one under the other) into a unit.

Material: steel polymer with coating.



VESA bracket

This item is purposed for nounting of computer monitors. It enables improving functionality of a table's work surface.

Mounting standard: VESA MIS-D 75/100.

Material: steel with polymer

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coating.



Lab table, island type

- Work surface (table board) HPL plastic.
- Frame construction metal frame with polymer coating.
- ◆ Add-on structure with adjustable shelves made of HPL plastic (adjustment spacing is 25 mm).
- Fabrication versions/ configurations

(table board length: 1200/1500 mm, configuration: 2/3/4 tables).

Lab table options



Connecting kit for island tables

High strength plastic panels enable combination of two lab tables into an island table unit.

The following versions are available as per table width: 1200/1500 mm.

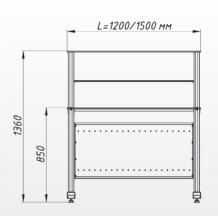


Island table add-on structure 350x510 mm

This item is purposed for arrangement of different lab accessories.

It enables rational work surface usage.

The following versions are available as per table width: 1200/1500 mm.



Two versions are available as per table length: L=1200 mm and L=1500 mm

Configuration versions of island type tables



2 tables + add-on structure.

Unit: 1200x1200 mm



2 tables + add-on structure. Unit 1800x1200 mm



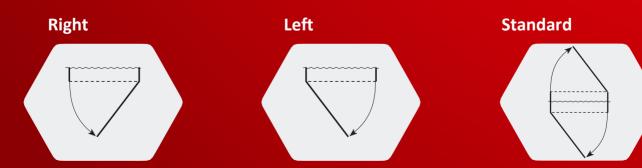
2 tables + add-on structure. Unit 2400x1200 mm

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Lab file cabinets



Hinged doors fabrication versions



File cabinets are purposed for outfitting of diagnostic labs, hospitals and healthcare providers.

CONVENIENT

- Two size versions:
- rolling type (350x465x690 mm)
 attachable type (400x600x850 mm)
- this item widens a table's work surface.
 High movability is achieved by means of self-castoring double wheels (with brakes).

QUALITY

 High table board chemical resistance (table board и фасады - HPL plastic).

SAFETY

• File cabinets materials have antimicrobial properties. Movability with fixation option makes cleaning process easier and improves general operating performance of an item.

Work surface – high strength chemically resistant HPL plastic.

Frame construction – steel frame with antimicrobial polymer coating.

Rolling file cabinets



ТП-1а

File cabinet with hinged door (lockable type).

This item is fitted with quick release adjustable shelf.

Standard version is also available (double-face file cabinet, left/ right front face opening depending on its location).



ТП-1ла

File cabinet with three pullout drawers.

Pulling out is performed by means of ball type slides.

Top drawer is lockable type.



ТП-1ла (ver. 2)

File cabinet with two pullout drawers.

Pulling out is performed by means of ball type slides.

Inner dimension of top drawers: 280x410x100 mm, bottom drawer dimensions: 280x410x280 mm.

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Top drawer is lockable type.

	right	left	standard
ТП-1а	+	+	+
ТП-1ла			+
ТП-1ла (ver. 2)			+
ТЛ-10а	+	+	
ТЛ-10На	+	+	
ТЛ-11а	+	+	
ТЛ-12а			+
ТЛ-04а			+



Lab file cabinets

- Work surface (table board + фасады) HPL plastic.
- Frame construction (supports) metal frame with polymer coating.
- Front face handle cut-in type; flat with file cabinet surfaces.
- Lock blocks a drawer/ door.
- Wheel assembly double wheels with brakes.

Attachable file cabinets



ТЛ-10а

File cabinet with hinged door (lockable type).

This item is fitted with quick release adjustable shelf (to be mounted on cleats in 3 positions and separates inner space in proportions 1/3, 1/2).



ТЛ-12а

File cabinet with three pullout drawers.

Pulling out is performed by means of ball type slides.

Inner dimensions of top drawers: 330x410x100 mm, bottom drawer dimensions: 330x410x280 mm. Top drawer is lockable type.



ТЛ-10На

File cabinet with hinged door (lockable type) and cut-out compartment.

Inner compartment dimensions: 360x595x140 mm.

This item is fitted with quick release adjustable shelf (to be mounted on cleats in 3 positions and separates inner space in proportions 1/3, 1/2).



ТЛ-04а

File cabinet with four pullout drawers.

Pulling out is performed by means of ball type slides.

Inner drawers dimensions: 330x410x100 mm.

Top drawer is lockable type.

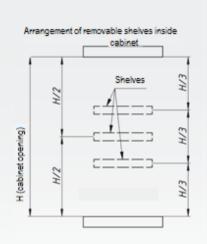


ТЛ-11а

File cabinet with hinged door (lockable type) and pullout drawer.

Inner drawer size: 330x410x85 mm.

This item is fitted with quick release adjustable shelf (to be mounted on cleats in 3 positions and separates inner space in proportions 1/3, 1/2).



This schematic is applicable for TП-1a, TЛ-10a, TЛ-10Ha, TЛ-11a

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Lab desks with wash sink



Lab table with wash sink is purposed for outfitting of diagnostic labs, hospitals and healthcare providers.

CONVENIENT

• Structure «transparency» improves treatment accessibility, minimizes dust accumulation and creates no obstacle for free air circulation.

Rounded corners simplify cleaning process and improve operating performance of an item.

QUALITY

• High table board chemical resistance (HPL plastic table board), MICROBAN® protection, and high moist / wear resistance performance.

Sink material – stainless steel.

SAFETY

• Item materials have antimicrobial properties and prevent fungi/ mold growth.

Work surface – high strength chemically resistant HPL plastic (table board 600x600/900/1200 mm) and stainless steel (wash sink).

Frame construction – steel frame with antimicrobial coating (consists of 2 weld supports, connecting screen and stiffeners set).

Fabrication versions

CTM - 600a



Dimensions: 600x600x850 mm CTM - 900/1a



Dimensions: 900x600x850 mm

CTM - 900/2a



Dimensions: 900x600x850 mm

CTM - 1200/1a



Dimensions: 1200x600x850 mm

CTM - 1200/1.1a



Dimensions: 1200x600x850

CTM - 1200/2a



Dimensions: 1200x600x850 mm

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Options of lab table with wash sink



Single-leaf rolling file cabinet

Improves the appearance. To be rolled under table with single basin sink and encloses lower part of basin including S-tube.

This item fits the following tables: CTM-600 and CTM-1200/1.



Single add-on structure Height: 355 mm.

This item is purposed to improve functionality of table by means of arrangement of hinged components (trays, shelves, brackets).

The following options are available as per table length: 900/1200.



Double-leaf rolling file cabinet

Improves the appearance. To be rolled under table and encloses lower part of basin including S-tube (not applicable for table CTM-600).

The following options are available as per table length: 900/1200.



Double add-on structure Height: 555 mm

This item is purposed to improve functionality of table by means of arrangement of hinged components (trays, shelves, brackets).

The following options are available as per table length: 900/1200.



Wall-adjacent piece

This item limits a table's working surface. Prevents fluids from inflowing from table backside.



Decorative screen

This item is to be mounted under table board and encloses lower part of basin. The following options are available as per table length: 600/900/1200.

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Lab table with wash sink

- Work surface (table board) HPL plastic.
- ◆ Frame construction metal frame with polymer coating, supports are moved from back edge of table board to 100 mm in order to ensure table board will be adjacent to the wall when laying cables along the wall.
- Sink material stainless steel.
- Height adjustment of back strainer (to be adjusted on site).
- Options (add-on structures + screen + rolling file cabinet).

Hinged components for add-on structures

of lab tables



Shelf 515x250 mm

This item is purposed for arrangement of different documents and lab accessories.

Material: steel with chemically resistant plastic polymer coating.



Shelf 1030x250 mm

This item is purposed for arrangement of different documents and lab accessories.

Material: steel with chemically resistant plastic polymer coating.



Tray 305x220 mm

This item is purposed for arrangement of different lab accessories.

Material: steel with polymer coating.



Tray 305x113 mm

This item is purposed for arrangement of small lab accessories.

Material: steel with polymer coating.



Mounting panel

This item is purposed for combining of a number of trays (located one under the other) into a unit.

Material: steel with polymer coating.



Drying device with removable tray

This item is purposed for drying of different lab vessels and fitted with removable tray for moist collection.

Drying device is to be mounted on double add-on structure.

Material: stainless steel (AISI 304).

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Lab desks for equipment arrangement

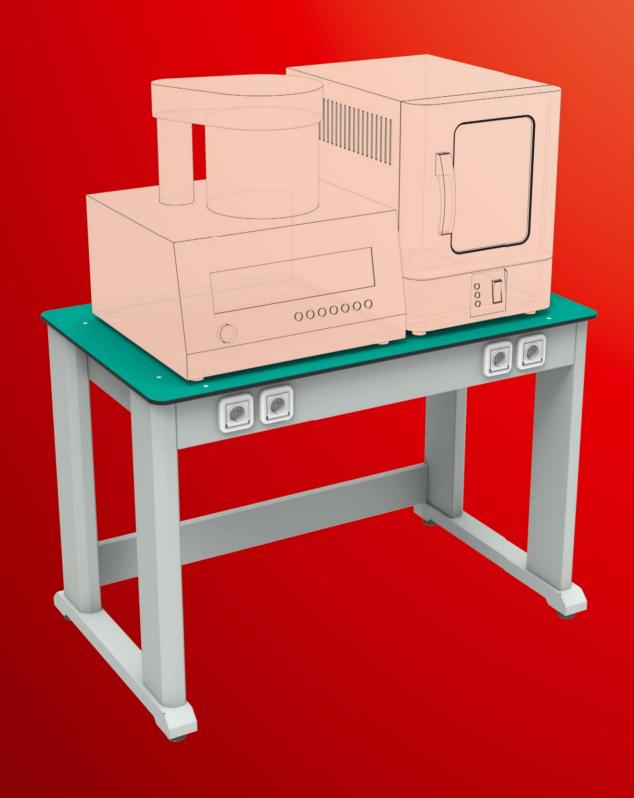


Table is purposed for outfitting of diagnostic labs, hospitals and healthcare providers.

CONVENIENT

QUALITY

SAFETY

- Custom size fabrication is available (basic version: 1200x700x850 mm).
- High table board chemical resistance (HPL plastic).
- Table materials have antimicrobial properties.

This item can be fitted with socket shutdown protection.

Work surface – high strength chemically resistant HPL plastic.

Frame construction – steel frame with antimicrobial polymer coating. **Reinforced table frame** – enables arrangement of equipment of up to 500 kg total weight. In order to ensure stable position this item is fitted with adjustable supports. Option: sockets (for electric devices connection).

Table options for equipment arrangement



Sockets for extra device connection

To be located on front pedestal panel (under table board), cut-in type, earthing/ protective cap are provided. Protection grade: IP44.



Protective shutdown device, 16A

To be located on front pedestal panel (under table board), enables to cut power for all connected devices in one movement.

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Lab carts



Carts are purposed for outfitting of diagnostic labs, hospitals and healthcare providers.

CONVENIENT

- Two fabrication versions:
- 1) Standard cart
- 2) Custom cart to select optimal solution corresponding to a lab operation processes.

High movability of carts is achieved by means of self-castoring wheels, two of these wheels are fitted with separate brakes

OUALITY

• High table board chemical resistance (HPL plastic).

SAFETY

• Carts materials have antimicrobial properties. Movability with fixation option makes cleaning process easier and improves general operating performance of an item. Transport handle improves general operating performance of an item.

Work surface – high strength chemically resistant HPL plastic 600x500 mm.

Frame construction – steel frame with antimicrobial coating (consists of two weld supports, connection screen and two stiffeners).

Fabrication versions

Standard cart ТЛ-1a



Dimensions: 500x600x850 mm

This item can transport any kind of receptacles of maximum size: 370x550 mm.

Can be fitted with extra shelves (HPL plastic, metal brackets).

Individual shelf adjusting – adjusting spacing is 25 mm.

«Transparent structure» - shelf contents are accessible from each side.

This item can be complete with trays.

Custom cart ТЛ-2a



Dimensions: 500x600x850 mm

Cart structure is designed for transporting and arrangement of quick removable special trays 25 and 65 mm in height.

There are no fixed shelves – this simplifies cart's sanitary cleaning. Good adjustment performance – tray can be inserted into any spare slot (mounting/ dismounting takes just a few seconds).

Cart can transport up to 4 trays at same time (distance between slots is 130 mm).

«Side protection» - shelf contents are accessible from front and back side of cart.

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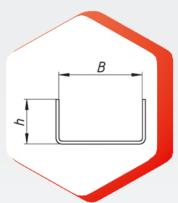
Options of lab carts



Standard cart

This item is purposed for standard carts.

Material: steel with antimicrobial coating.



Standard tray section

B = 370 mm, h = 35 / 65 mm



Custom cart

To be inserted into a custom cart slots.

Tray is to be installed on a shelf of standard carts.

Material: steel with antimicrobial coating.



Custom tray section

B = 330 mm, h = 35 / 65 mm



Standard shelf for standard cart

This item is purposed for improving the functionality of a standard cart.

Material: HPL plastic. Item is fitted with tray limiter.

Structure implies two versions of limiter adjusting: (B = 330 / 370 mm).



Custom shelf for standard cart

This item is purposed for improving the functionality of a standard cart.

Material: HPL plastic. Item is fitted with limiters (designed for custom trays, B = 330 mm).

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Modular storage systems



Advantages

Modular storage systems are purposed for outfitting of diagnostic labs, hospitals and healthcare providers.

CONVENIENT

• Supports are fitted with adjustable rests (to enable stability).

Modular design allows arranging multi-sectional units performing different functions.

QUALITY

◆ All steel elements are coated with polymeric powder (shiny grey, RAL 7035).

SAFETY

 Consist of weld supports, shelves and stiffeners.

Work surface – high strength chemically resistant HPL plastic.

Frame construction – steel frame with antimicrobial polymer coating.

Racks fabrication versions



Document rack СтЛ -1a

Dimensions: 800x550x1900 mm.

Shelves are made of solid chemically resistant plastic 100 mm in thick with decorative coating.

Allowable unified load: up to 15 kg to each shelf.



Tray rack (standard) СтЛ -2a

Dimensions: 500x550x1900 mm.

This item is purposed for storage of any kind of working receptacles of maximum dimensions: 370x550x135 mm.

Panel shelves are made of steel with polymeric powder coating or chemically resistant plastic (option).

Distance between shelves: 165 mm

Allowable unified load: up to 10 kg to each shelf.

«Transparent structure» - shelf contents are accessible from each side.

This item can be complete with trays.



Custom tray rack СтЛ-3a

Dimensions: 500x550x1900 mm.

This item is purposed for arrangement and storage of quick removable custom trays.

Side panels are made of chemically resistant HPL plastic (thickness: 14 mm).

There are no fixed shelves – this simplifies sanitary cleaning.

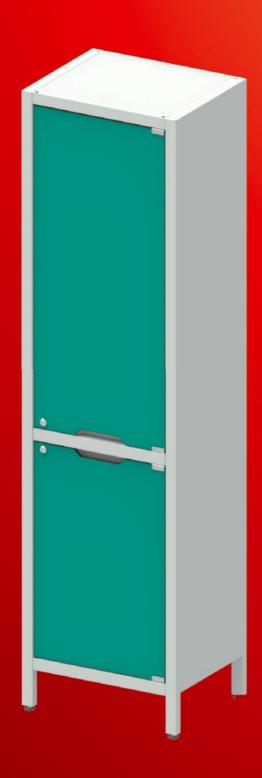
Good adjustment performance – tray can be inserted into any spare slot (mounting/ dismounting takes just a few seconds).

Cart can transport up to 12 trays at same time (distance between slots is 130 mm).

«Side protection» - shelf contents are accessible from front and back sides.

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Single-leaf lab cabinets



This cabinet is purposed for operations with microorganisms of pathogenicity groups III-IV and helminthes in clinic labs, hospital labs and higher and secondary institutions and complies with GOST R 50444-92. Purpose: storage of medicaments, instruments, hospital documents and patients' records.

Dimensions (WxDxH) 500x400x1850 mm.

Cabinet consists of two sections.

Top section is fitted with hinged doors and three adjustable shelves inside. Lockable type door is fixed by means of magnets. Option: upper section can be fitted with a metal safe box (safe box is to be mounted on standard cleat mounts; safe box door is lockable type).

Shelves can be adjusted by height by means of removable cleats. Bottom section can be of two versions:

- 1) Section fitted with hinged door and adjustable shelf (1 pce.). Lockable type door is fixed by means of magnets.
- 2) Section with four pullout drawers inside on ball type slides (L = 350 mm). Top drawer is lockable type.

Door opening versions



- Right («Cabinet identification»/R) door is opened to the right.
- Left («Cabinet identification»/L) door is opened to the left.

Item frame is welded type, made of steel with polymeric powder coating.

In order to make sanitary cleaning more convenient cabinet structure is fitted with square cut legs (profile section: 25x35 mm; height: 110 mm); in order to compensate floor irregularities this item is adjustable type.

This item is supplied pre-assembled and packed inside a corrugated card box.

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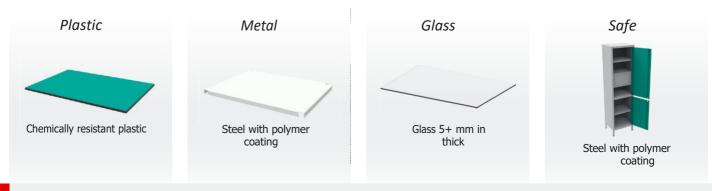
Fabrication versions of top front faces



Fabrication versions of bottom front faces



Shelves fabrication versions



Standard cabinet configurations



Version 1

Top face – plastic Bottom face – plastic Top shelves – metal Bottom shelves – metal



Version 3

Top face – glass Bottom face – plastic Top shelves – glass Bottom shelves – metal



Version 2

Top face – plastic + glass Bottom face – plastic Top shelves – plastic Bottom shelves – metal



Version 4

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Top face – metal Bottom face – metal Top shelves – metal Bottom shelves – metal



Version 5

Top face – glass Bottom face – metal Top shelves – glass Bottom shelves-metal



Version 7

Top face – plastic + glass Bottom face – plastic Top shelves – plastic



Version 6

Top face – plastic Bottom face – plastic Top shelves-metal



Version 8

Top face – glass Bottom face – plastic Top shelves – glass



Version 9

Top face – metal B. face – metal T. shelves–metal

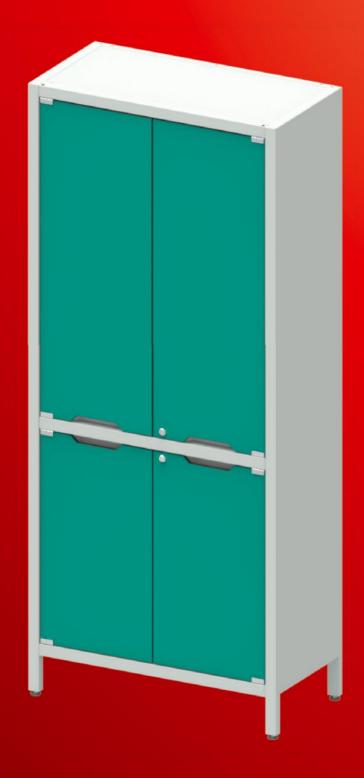


Version 10

Top face – glass B. face – metal T.shelves–glass

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Double-leaf lab cabinets



This cabinet is purposed for operations with microorganisms of pathogenicity groups III-IV and helminthes in clinic labs, hospital labs and higher and secondary institutions and complies with GOST R 50444-92. Purpose: storage of medicaments, instruments, hospital documents and patients' records/

Dimensions: (WxDxH) 800x400x1850 mm.

Cabinet consists of two sections.

Top section is fitted with hinged doors and three adjustable shelves inside. Lockable type door is fixed by means of magnets. Doors are fixed by means of magnets.

Option: upper section can be fitted with a metal safe box (safe box is to be mounted on standard cleat mounts; safe box door is lockable type).

Shelves can be adjusted by height by means of removable cleats.

Bottom section is fitted with hinged doors and adjustable shelf. Doors are fixed by means of magnets.

Item frame is weld type, material: steel with polymer coating.

In order to make sanitary cleaning more convenient cabinet structure is fitted with square cut legs (profile section: 25x35 mm; height: 110 mm); in order to compensate floor irregularities this item is adjustable type.

This item is supplied pre-assembled and packed inside a corrugated card box.

PLASTIC COLOR SCHEME











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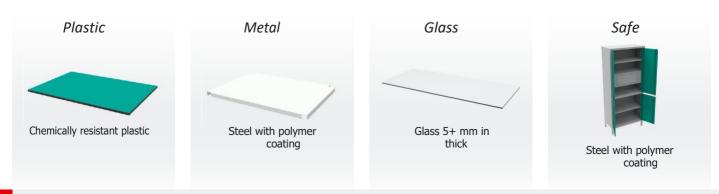
Top face fabrication versions



Bottom face fabrication versions



Shelves fabrication versions



Standard cabinet configurations



Version 1

Top face – plastic Bottom face – plastic Top shelves – metal Bottom shelves – metal



Version 4

Top face – metal Bottom face – metal Top shelves – metal Bottom shelves – metal



Version 2

Top face – plastic + glass Bottom face – plastic Top shelves – plastic Bottom shelves – metal



Version 5

Top face – glass Bottom face – metal Top shelves – glass Bottom shelves – metal



Version 3

Top face – glass Bottom face – plastic Top shelves – glass Bottom shelves – metal



Version 6

Top face – plastic + glass Bottom face – plastic Top shelves – glass Bottom shelves – metal

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