

P-5 & F-1

Shelves for UV-cleaner boxes

1. About these instructions.

These instructions describe installation and maintenance of the shelves **P-5** and **F-1** for the DNA/RNA UV-cleaner boxes **UVC/T-M-AR**, **UVT-B-AR** and **UVT-S-AR**.

2. Intended use.

The **P-5** is a shelf for hanging laboratory pipettes.

The **F-1** is a flat shelf for samples and reagents.

3. Summary.

The **P-5** shelf fits up to 5 mechanical laboratory pipettes, e.g. from Biosan **Assist** series, in a vertical position above the working area.

The **F-1** flat shelf is designed for decontaminated storage for samples, reagents and small instruments above the working area. Shelf working area dimensions are 400 by 140 mm.

The shelves are made of transparent acrylic glass (PMMA) and are designed for easy setup and removal.



P-5



F-1

4. Installation.

- Remove packing materials carefully and retain them for future shipment or storage.
- Open the front screen of the UV-cleaner box to the uppermost position.
- Ensure that the two holding screws (for each shelf) are in place on the rear wall and nothing in the box obstructs the placement.
- Place the shelf on the screws, with horizontal part above the screws. Shorter **P-5** is placed on the left, longer **F-1** on the right side of the rear wall.
- Press on the top until both screws fit the grooves firmly.
- Tighten or loosen the screws by hand if necessary to install or level the shelf. Ensure that the screws do not move after installation.

5. Working in the box.

Please observe the necessary precautions for working in the DNA/RNA UV-cleaner box, as stated in its user instructions.



Extend the open UV lamp exposition time to two sessions of 45 minutes, once after switching on the cabinet, once before operations inside.

6. Care and maintenance.

Shelves are made of acrylic glass, poly(methylmethacrylate) Altuglas® EX, and are prone to scratches and optical transmission capacity decrease if improperly cleaned. Use mild soap and water with a soft cloth or sponge for cleaning. Wipe excess water with an absorbent soft cloth or sponge.

For decontamination, it is recommended to use a special DNA/RNA removing solution (e.g. Biosan **PDS-250**). After decontamination it is necessary to rub the shelves dry.

7. Limitations.



Never use organic solvent-based compounds, pure alcohol, alcohol-containing cleaners (more than 20%) or ammonia containing cleaners for acrylic glass. Do not use abrasives. The table below shows the interaction of acrylic glass with ethyl alcohol and other solutions:

Solution	Interaction with acrylic glass
Biosan PDS-250	No effect
DNA-Exitus Plus™	No effect
RNase-Exitus Plus™	No effect
Hydrogen peroxide H ₂ O ₂ 6%	No effect
Ethanol C ₂ H ₅ OH ≤ 20%	No effect
Ethanol C ₂ H ₅ OH > 20%	Increasing effect. Do not use.



Crazing is a normal process for acrylic glass exposed to open UV light. Crazing will occur over time. Crazing is regarded as normal wear.

8. Support and information service.

For technical support, please contact us by email at support@biosan.lv or through the form on our website in the **Support** section by link below. Periodically check for updates of this product information on our website.



biosan.lv/en/support

9. Waste Management.

Please observe your national laws and regulations.