TECNIPLAST IS THE IDEAL PARTNER AT YOUR SIDE FOR ANIMAL CARE PRODUCTS AND RELATED EQUIPMENT.

OUR CONSTANT INVESTMENT IN TOOLING, TECHNOLOGIES, AUTOMATION, PRODUCTION CAPABILITY, STOCK AVAILABILITY, STAFF RECRUITMENT AND TRAINING, TOGETHER WITH THE ISO CERTIFIED QUALITY AND ENVIRONMENT MANAGEMENT SYSTEMS, ARE THE KEY-FACTORS OF TECNIPLAST SUCCESS SINCE THE EARLY 1950S.

OUR EVER WIDENING RANGE OF HUSBANDRY AND LAMINAR FLOW EQUIPMENT USED IN BIOMEDICAL RESEARCH ALLOWS US TO MEET ALL CLIENTS’ NEEDS, PROVIDING SOLUTIONS FOR EVERY ANIMAL MODEL.

AS WELL AS PRODUCING TOP QUALITY EQUIPMENT, TOGETHER WITH OUR NETWORK OF SPECIALISTS AND CONSULTANTS WE ARE REGULARLY INVOLVED IN THE DESIGN AND CONSTRUCTION OF NEW ANIMAL FACILITIES AND IN THE REFURBISHMENT OF EXISTING ONES, THUS DESIGNING AND DEVELOPING 100% TAILOR-MADE PRODUCTS AND PROJECTS.

THAT’S THE REASON WHY TECNIPLAST IS NOT ONLY A SUPPLIER, BUT A REAL PARTNER AT YOUR SIDE.
TECNIPLAST BIOSAFETY CABINETS, SPECIFICALLY DESIGNED FOR ANIMAL RESEARCH LABORATORIES, GUARANTEE THE UTMOST PROTECTION OF THE OPERATORS FROM THE INHALATION OF INFECTIOUS PARTICLES, DUST, ALLERGENS AND PATHOGENS.

AT THE SAME TIME, TECNIPLAST BIOSAFETY CABINETS GUARANTEE AN EXCELLENT PROTECTION OF THE ANIMALS FROM CONTAMINANTS, BY MINIMISING THE EXPOSURE TO AEROSOLS, THUS PRESERVING ENVIRONMENTAL SAFETY.
BIOSAFETY CABINETS

ISOcase Biosafety Station + ISOcase = Tecniplast ISOcase System

**IBS**

**SURFACE WIDTH:** 150cm • 60”

- Purposely designed for research activity in ABSL3 Level to improve laboratory safety and process accuracy when infected animals are being handled
- IBS combines the performance of a Biohazard Class II Type A2 Cabinet and of a workstation to assure top containment and protection of both personnel and environment from the inhalation of infectious particles, hazardous pathogens, dust, and allergens during animal handling procedures
- IBS features a “Dunk Tank” connected on the right side of the cabinet. The tank is equipped with interlocked doors to maintain the barrier between dirty and clean sides preventing environmental contamination
- Soft touch control panel for constant monitoring of working conditions. A menu with diagnostics enables the operator to check the conditions of the HEPA filters and of the UV-C lamp, as well as receiving precise updates on scheduled maintenance
- High cleanability thanks to IBS rounded corners; easy access to the pre-filters housed below the TRESPA® removable panels

- Standard UV-C light with motorized swivelling panel
- Optional autoclave transfer chamber connected to the changing station by means of an air-tight double door.

**OVERALL DIMENSIONS (WxDxH)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimension (mm)</th>
<th>Dimension (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO3DUTFu</td>
<td>2200 x 898 x 2274</td>
<td>86 2/3 x 35 3/8 x 89 1/2</td>
</tr>
<tr>
<td>ISO3DUTATCU</td>
<td>2739 x 898 x 2274</td>
<td>107 3/4 x 35 3/8 x 89 1/2</td>
</tr>
</tbody>
</table>

**WORKING AREA DIMENSIONS (WxDxH)**

<table>
<thead>
<tr>
<th>Dimension (mm)</th>
<th>Dimension (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1346 x 535</td>
<td>53 x 21</td>
</tr>
</tbody>
</table>

**WEIGHT**

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight (Kg)</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO3DUTFu</td>
<td>530</td>
<td>1168</td>
</tr>
<tr>
<td>ISO3DUTATCU</td>
<td>550</td>
<td>1212</td>
</tr>
</tbody>
</table>

Germ-free or gnotobiotic animal models?

IBS GERM-FREE IS THE SOLUTION YOU ARE LOOKING FOR! CONTACT US FOR FURTHER DETAILS

TAKE A LOOK AT TECNIPLAST ISO TECHNOLOGY BROCHURE TO FIND OUT MORE

ISO TECHNOLOGY BROCHURE TO FIND OUT MORE
TECNIPLAST COMPLETE ARRAY OF ALLERGEN CONTAINMENT SOLUTIONS PERFORMS:

- High protection against allergens and contaminants
- Wide working area
- High cleanability and visibility
- Microprocessor controls and safety alarms
In addition to what offered by the DS36L model, DS72 features:

- Working area divided in two sides - one for carrying out the dumping of bedding and animal waste operations into dedicated containers; - the other for the positioning of the trolleys to hold cages and trays to be dumped
- Available accessories:
  - Mobile funnel
  - Stainless steel waste bag trolley with hinged opening
  - Lifter for dirty cages trolley
- Down Flow Booth for manual cage cleaning and dirty bedding disposal
- Working area suitable for the cleaning of all large cage and tray sizes
- No physical barriers between the operator and the disposal funnel; protection is guaranteed by the vertical laminar airflow Class ISO 5 (ISO 14644-1)
- Filtration system: the upper filtration area is shielded by perforated diffuser panels in anodised aluminium
  - Plenum: negative pressure design to prevent escape and/or by-pass of HEPA filter by contaminated air and/or dust
  - PVC strip curtains (2 mm thick) to bound the equipment operating area
- Microprocessor Controls and Safety Alarms
- Optional integration with IWT Bedding Handling System for totally smooth and simple material disposal and dispensing operations, cutting operator’s exposure and effort to a minimum
- Available accessories:
  - Shredder to ensure material uniform cutting in size and weight, thus preventing clogging upstream of conveyance;
  - Different trolleys to effectively accommodate any type of load and cage sizes;
  - Other accessories available upon request
SAFE BARRIER SOLUTIONS

TECNIPLAST “SAFE BARRIER” SOLUTIONS ARE DESIGNED TO IMPROVE LABORATORY ENVIRONMENTAL CONDITIONS, CONTRIBUTING TO THE DEVELOPMENT OF SAFER PROCEDURES AND MORE FLEXIBLE, EASIER WAYS OF WORKING.

OUR WIDE EXPERIENCE ALLOWS US TO PROVIDE YOU WITH THE BEST SOLUTION WHEN TRANSFER BETWEEN TWO ENVIRONMENTS WITH DIFFERENT LEVELS OF CONTAMINATION IS NEEDED.
High level of cleanliness thanks to 22 adjustable air nozzles to better direct the air flow

- Average air speed: 30 m/s
- All surfaces are made of AISI 304 with scotch brite finishing for easy cleaning and product duration over time
- HEPA filter with H13 MPPS efficiency in accordance with EN 1822. Filter access from the interior ceiling for easy maintenance
- Doors made of clear anodized aluminium; tempered glass provided with electric locking system guarantees high visibility and low noise level
- Door interlocks located in the two door-jams at the entrance and exit ways. The dirty side lock automatically releases in case of power cut loss or when the Emergency Stop button is pushed
- Emergency Stop buttons inside and outside the Air Shower, on both sides, close to the entrance doors for maximum safety
- Interior ceiling with a fluorescent light for optimal and uniform lighting
- PLC to control operations sequence

SAFE TRANSFER OF ANIMALS AND TOOLS

- AISI 304L scotch bright finishing stainless steel panels, with two 8mm tempered glass doors. Two interlocking electrically operated doors ensure the separation of the two environments
- Removable tray for cleaning operations
- On both sides a green light shows when the door can be opened by pressing the button
- Working procedure: the first operator pushes the button to open the door on side “A”; the interlocking device automatically keeps the other door on side “B” locked. The items are inserted and the first operator closes the door. On side "B" the green light switches on: the second operator can now push the button and open the door to take the items. In this phase the door on side “A” is locked.

What about hand disinfectants for top hygiene?

APUS, TECNIPLAST AUTOMATIC ATOMIZER FOR NO-CONTACT HAND DISINFECTION, SPRAYS PRECISE DOSES OF DISINFECTANT.

SAFETY IS OUR MUST!