

# PBI LABORATORY GAZETTE

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## **MICROBIOLOGY SAFETY CABINET (cod. 48193)**



"Blu Space" Microbiology Safety Cabinet is a Class II Biohazard Safety Cabinet with automatic control system according to the European Standard EN 12469. It ensures the protection for the operator, product and environment during the manipulation of biological active or infectious substances against risks from contaminated aerosol involved microbiology and biotechnology operations. It is normally used in the microbiology, virology, haematology, cell culture laboratory and in research for recombinant

DNA. The references in the design of this cabinet are the European Standard EN 12469, CEI EN 61010/1, 89/392/CEE, 91/368/CEE, 92/44/CEE, 93/68/CEE, 89/336/CEE, 92/31/CEE, 93/68/CEE, 73/23/CEE, 93/68/CEE, USA Standard NSF 49. The operator is protected by means of the front barrier that prevents aerosols from passing through the inside of the cabinet to the outside. The product is protected by means of the ISO Class 5 unidirectional air flow according to ISO 14644. The environment is protected by means of the absolute filtration of the exhaust air according to EN 1822-1.

## **INFECTIOUS DISEASE FIGHTING (cod. 35148)**



The most known and effective method of sterilisation is by formaldehyde.

The earliest published use of formaldehyde as an antimicrobial dated to 1886 by Loew and Fisher. Subsequently it was promoted as a vapour phase fumigant to infected enclosures. Its later use has been extensive in a variety of applications, including hospitals, agriculture, egg incubators, cold sterilisation, toxin and vaccine inactivation, urinary tract infections.

The formaldehyde is a toxic gas that can be dangerous for the staff involved in its use. It is therefore necessary to neutralise it by ammonia producing a harmless by-product. "Formalintec" produced by International Pbi is an automatic system that by heating first transform formaldehyde from the liquid state to the gas state and subsequently neutralises the formaldehyde by ammonia producing a harmless by-product.

"Formalintec" is suitable for disinfection from 100 to 500 cubic meter environment, but it is possible to increase the volume up to 15.000 cubic metres.

## **DOUBLE SIMULTANEOUS AIR SAMPLING (cod. 24584)**



DUO SAS-SUPER 360 is a single body air sampler with two aspirating heads: two different media types can be used for simultaneous samples. 1000 litres of air can be sampled in less than 3 minutes. These are the revolutionary specifications of the new DUO SAS SUPER 360 microbiological air sampler produced by International Pbi.

Typical applications are: clean rooms where contamination levels are minimal; environments that require a large volume of air to be sampled in a short time; environments where the sample taken should be representative; environments in which simultaneous sampling of different micro-organisms is needed. The instrument may be supplied with I.Q., O.Q., P.Q. manuals. All sampling data are transferred to printer or P.C.

**SUMMER HOLIDAYS**  
**August 4-20, 2007**



## **SAVE SPACE IN AUTOCLAVING (cod. 88944)**



"TIMO" produced by international pbi, according to the "PED" European Standard, is a 23 litres portable autoclave suitable for the microbiological laboratories that have space problems. The structure is made in AISI 304 stainless steel and the requested space is only thirty frontal centimetres. It can be positioned on floor or laboratory bench. It does not need a water connection. The vertical construction guarantees the complete use of the sterilisation chamber.

The ABS insulated lid avoids possible injuries for the operator. A friendly instruction panel is printed on the front of the autoclave according to ISO EN 17025. The thermoregulation is controlled by an electronic microprocessor with digital display of temperature and time.



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# Which "SAS" microbiological system is more suitable for my application?

