

# CleanSpace®

R E S P I R A T O R S

## PROTECTING LABORATORY WORKERS FROM BIOHAZARDS & ALLERGENS



CleanSpace® HALO is a next generation of Powered Air Purifying Respirator (PAPR) designed specifically for the healthcare sector, laboratories and the pharmaceutical industry, offering workers a high-level of protection.



### AIRBORNE-URINARY ALLERGENS

Data from cross-sectional studies indicate that up to 46% of workers exposed to airborne urinary allergens develop laboratory animal allergies.<sup>1</sup>

Proteins in animal urine can become aerosolised allowing them to enter into the respiratory tract and lungs of persons working with laboratory animals. Animal allergens are carried on a wide range of particle sizes, some of which can remain airborne for extended periods of time to cause 'bystander exposure' in a workplace.

Animal Laboratory workers are at risk for developing occupational asthma, contact dermatitis or urticaria, rhinitis, and conjunctivitis, which can seriously affect their health and career.

<sup>1</sup> Allergy to laboratory animals: an epidemiological study. Aoyama K, Ueda A, Manda F, Matsushita T, Ueda T, Yamauchi C *Br J Ind Med.* 1992 Jan; 49(1):41-7.

# CleanSpace®

## RESPIRATORS



### PROTECTION AGAINST DISEASES AND DEVELOPING ALLERGIES

Preventing infection from zoonotic exposure and developing allergies is one of the many important objectives of an effective biological safety program for animal laboratories.

Laboratory exposure risks have the potential to adversely impact both an individual's health and career.

### PERSONNEL AT RISK OF EXPOSURE

Cagewash, animal care and veterinary technicians are as susceptible to biological exposure as researchers, veterinarians and scientists.

### CLEANSPACE HALO INCREASES COMPLIANCE

More than 35% of healthcare workers cite discomfort as a reason for non-compliance.<sup>2</sup>

Being lightweight, comfortable, free from belts and hoses, and eliminating eye-protection fogging, CleanSpace HALO increases user compliance.

Trial CleanSpace today, contact Customer Support to arrange a demonstration

CleanSpace® Halo being lightweight, comfortable and easy to don, increases worker safety and time at the bench.

- ✓ High Level of Protection
- ✓ Light-weight & comfortable – less than 500g/1.1pounds
- ✓ No belts or hoses
- ✓ No fogging
- ✓ Extended time at bench



<sup>2</sup> Respiratory hygiene in emergency departments: compliance, beliefs, and perceptions. Martel J, Bui-Xuan EF, Carreau AM, Carrier JD, Larkin E, Vlachos-Mayer H, Dumas ME Am J Infect Control. 2013 Jan; 41(1):14-8.

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