



PRESS RELEASE

Published: July 15, 2015, 1400 CEST

Swedish Toxicology Sciences Research Center (Swetox) purchases PreciseInhale system

STOCKHOLM, SWEDEN – July 15, 2015. Swetox is an innovative, interdisciplinary environmental research center combining the expertise of eleven Swedish universities. It has chosen ISAB's precision dosing PreciseInhale system for research into the effects of inhaled Endocrine Disrupting Compounds (EDCs). High blood levels of some EDCs have been detected in small children exposed to household dust, but little is known, as yet, about the PK behavior or regional deposition of EDC particles in the lung.

Research institute Swetox is purchasing ISABs PreciseInhale system for its research into hormonal disruption from complex chemical compounds inhaled in the home. Delivering high-resolution lung data with an exceptionally low standard deviation from just milligrams of test substance offers major research advantages for Swetox in its goal of establishing the prerequisites for protecting human health and the environment from harmful chemicals by the year 2020.

ISAB CEO Fredrik Stovall: "This product sale is of great strategic importance to us. Environmental research is what originally made PreciseInhale develop, as part of research into radioactive diesel dust dosimetry. This purchase from an innovative academic center like Swetox confirms the exceptional quality, capabilities and results of our technology."

3R advantages

Swetox is one of the first academic research centers in the world to base all its work on 3R principles (reducing, refining and replacing the number of animals used in research.) Precise Inhale's unique one-animal-at-a-time method drastically reduces the number of animals needed for inhalation research.

1

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Intratracheal exposures deliver uniquely detailed kinetic data

PreciseInhale is the only R&D technology in the world that carries out intratracheal inhalation exposures of rodents to respirable aerosols. This gives researchers extremely close control of the delivered dose, and lung distribution patterns closely resembling those obtained during clinical exposures. It will be of particular benefit to Swetox's research into the possible effects of children inhaling EDCs. Current data confirms the presence of EDCs in airborne dusts - but little is known about either the local disposition of EDC particles in the two major regions of the respiratory tract, or the kinetic behavior of the particles in the lungs following inhalation. PreciseInhale can deliver detailed data on both.

About Inhalation Sciences AB

Inhalation Sciences AB's patented aerosol generation R&D platform PreciseInhale delivers PK/PD data of a quality far beyond other existing inhalation R&D technologies. The platform delivers high-resolution lung absorption and retention data, including Coax and Tmax data, with standard deviation of, typically, <10%. Inhalation Sciences carries out extensive Contract Research work with novel and generic inhalation drug developers, toxicology and environmental research institutes and university research institutes in the inhalation and aerosolization field.

Please visit inhalation.se

About Swetox

Swetox has the vision of a 'chemical-safe' world and works on all aspects of chemicals, health and the environment. Swetox works on fundamental, applied and commissioned research, education and societal interactions for best possible decision-making. Swetox works to develop new knowledge and methods and to assess the safety of all types of chemicals, irrespective of their source or chemical class, such as endocrine disruptors, pharmaceuticals and nanomaterials.

Please visit <http://swetox.se/en/>