



## **NEWS RELEASE**

### **Mobile air decontamination unit helps reduce risks to immunocompromised patients**

**4 January 2010, Newmarket, UK:** The Air-in-Space Plasmair mobile air decontamination system, sold and supported in the UK by infection control specialist Tristel, is a convenient, self-contained unit that combines effective microbial destruction with fast airflow kinetics for highly efficient and continued environmental decontamination.

Delivering 99.999% single pass microbial elimination, this cost-effective unit is proving especially valuable in areas such as haematology and transplantation wards that house immunocompromised patients vulnerable to opportunistic infection such as aspergillosis, as well as in operating theatres and intensive care.

Its efficacy has been proven in multiple trials and studies from leading researchers around the world, including the UK's Health Protection Agency at Porton Down Laboratories and the Harvard School of Public Health in the US, which have both validated the efficiency of the unique HEPA-MD™ (High Efficiency Particulate Arrestance – Microbial Destruction) reactor at the heart of the system.

Originally developed for use in the MIR and ISS Space Stations, Plasmair inactivates, destroys and eliminates a large spectrum of airborne molecular compounds and micro-organisms including fungi, bacteria, viruses and spores. Via the HEPA-MD technology in the Plasmair systems, airborne micro-organisms are first exposed to strong electric fields and to oxidative species in unique non-thermal plasma chambers. Highly charged materials exiting these chambers are then captured by electrically active media for complete decontamination. Finally airborne molecular compounds are eliminated in a catalytic converter.

The new air decontamination system, exclusively available from Tristel, is self-contained and easy to deploy. By combining three patented technologies in a single reactor unit, this quiet, compact system is capable of abating up to 90% of airborne contamination from a 60 m<sup>3</sup> room in as little as 20 minutes. Consistent particulate and biological targets of less than 10 CFU/m<sup>3</sup> - equivalent to ISO 7 using the ISO 14644-1 cleanroom standards - are achieved. Most importantly, these excellent levels of performance are both robust and traceable. [www.tristel.com](http://www.tristel.com)

**End**

**Image. notes and contact details to follow...**

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High resolution image attached/available from Luke Newman, Kapler Communications [luke@kapleronline.com](mailto:luke@kapleronline.com) Ref: TRI/JOB/181

**CAPTION:** The Plasmair mobile air decontamination unit



### About Tristel plc

Tristel plc is an infection and contamination control business headquartered in Newmarket, United Kingdom. Its lead technology is a proprietary chlorine dioxide formulation used to disinfect instruments and surfaces and to control legionella in water. Tristel's products are considered to be amongst the highest performing biocides available to hospitals and industry, killing all organisms, including spores, in short exposure times. Tristel's chlorine dioxide chemistry is also safe and easy to use.

Tristel partners with other infection control technology providers to present a holistic approach to its customers, allowing it to address the five routes of transmission of infection – instruments, surfaces, water, skin and air.

Tristel was admitted to the London Stock Exchange AIM market in June 2005. Its stock exchange symbol is TSTL.

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