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Tristel plc
("Tristel" or "the Company")

Tristel's chlorine dioxide wipes are proposed as an alternative to traditional high-level disinfection soaking procedures published in Journal of Infection Prevention

Tristel plc (AIM: TSTL), the manufacturer of infection prevention, contamination control and hygiene products, announces that a study conducted at the Centre Hospitalier Régional Universitaire de Lille, France, compared its Trio Wipes System with a detergent and a peracetic acid disinfectant manufactured by Laboratoires Anios, Hellemmes, France. Anios is France's leading infection prevention company and has recently been acquired by Ecolab Inc. of the United States.

The study found that the wiping procedure with Tristel's chlorine dioxide chemistry displayed more than a 5-log reduction of four strains of bacteria in 30 seconds and a 4-log reduction of bacterial spores in 2 minutes. The soaking procedure with peracetic acid displayed similar results as chlorine dioxide against bacteria but took 10 minutes to do so, and was unable to achieve a 4-log reduction in bacterial spores.

Bacterial spores are considered to be the most resistant organisms to disinfectants and the ability to kill them both in high numbers and quickly is the distinguishing feature of the highest performing products. Peracetic acid is the most widely used high-level disinfectant throughout Europe and soaking an instrument, rather than wiping it, is considered to be the traditional method to disinfect a medical device. The medical device used in the study was a flexible nasendoscope used in Ear, Nose and Throat (ENT) departments. ENT is one of Tristel's main niche markets within hospitals.

The study has been published in the Journal of Infection Prevention (Nouredine Henoun Loukili, Nadine Lemaitre, Benoit Guery, Olivier Gaillot, Dominique Chevalier and Geoffrey Mortuaire (2017) and is titled 'Is a chlorine dioxide wiping procedure suitable for the high-level disinfection of nasendoscopes', *Journal of Infection Prevention*, pp. 1–6 DOI: 10.1177/1757177416679879). Preliminary results of the study were reported by an RNS Reach on 1 December 2015.

The Tristel Wipes System is a unique, patented decontamination method for non-lumened scopes and probes. It has been a very significant sales success for the Company globally. Worldwide sales of the Wipes System in the financial year ending June 2016 were £8.7m.

Paul Swinney, CEO, comments: *"We are pleased to see the publication in a peer-reviewed journal of this significant study comparing our Wipes System with peracetic acid, which is the most widely used high-level disinfectant chemistry in Europe and probably the United States also. The results affirm the key advantages of our Wipes over alternative chemistries and disinfection methods. These advantages are the level and speed of kill of the most resistant organisms. This is the twenty-sixth peer-reviewed and published scientific paper featuring Tristel products – a body of evidence of our products' attributes that forms one of our Company's key strengths."*

"France is one of our key target markets for growth and this study can only help with this ambition. We sell our products through a distributor in France."

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