

# Disinfectant product DiffX is set to transform standards of hospital hygiene

June 2 2014

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MTP Innovations Ltd are transforming standards of hospital hygiene with the launch of their unique disinfectant DiffX™.

DiffX leads the next generation of powerful non-chlorine disinfectants and creates a dynamic cleaning system, which eliminates all surface contamination including Clostridium Difficile spores, MRSA, bacteria

and viruses that cause Healthcare Acquired Infections (HCAs) and cost the health service time, money and loss of beds.

DiffX is both user-friendly and environmentally less harmful than chlorine. It is fast acting and not deactivated by soiling and is more effective against re-contamination, unlike chlorine-based products.

MTP are based at the University's 3M Buckley Innovation Centre (3M BIC), and already supply a number of leading NHS Trusts, including UCLH NHS Foundation Trust, Basildon and Thurrock University Hospitals NHS Foundation Trust and the BUPA Cromwell Hospital in London. A survey, following a trial at Salford Royal Infirmary NHS Foundation Trust, revealed an amazing 95 per cent of cleaners and nurses stated that they preferred using the product.

## **Independent analysis**

A detailed independent analysis carried out by Dr Paul Humphreys and the Hygiene and Disinfection Centre at the University of Huddersfield has indicated that DiffX – outperforms chlorine-based products in the fight against infection control. The analysis conducted by Dr Humphreys showed that DiffX continues to act despite the presence of organic material that inactivates many other disinfectants.

Another breakthrough with DiffX is that the [disinfectant](#) is supplied as a powder in unique and patented heat-sealed PVA film sachet. When the sachet is placed in water, both the film and the powder dissolve. This simple process means that the operative does not come into physical contact with the substance. Also, simple measurement and dilution control of the concentration level is as straightforward as adding one or two sachets to the water. Another big advantage claimed for DiffX over harmful chlorine-based products is that it does not corrode microfibre cloths that are now extensively used for cleaning surfaces and mopping

floors.

"People were using chlorine-based disinfectants, but they can be very unpleasant to use, quite smelly and corrosive, and when C. Diff started becoming an issue, we knew chlorine-based products had real shortcomings. When there is dirt around they just stop working," said Mr Peter Finan, MTP's Research and Development Manager.

Provided by University of Huddersfield

Citation: Disinfectant product DiffX is set to transform standards of hospital hygiene (2014, June 2) retrieved 4 May 2024 from

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