



## Landmark test result for Byotrol 4in1 surface sanitiser which offers real proof of COVID-19 protection over 24-hours

- Product first to have solid evidence of real success in frequent use areas against viruses – 99.9% reduction after 24 hours.
- News comes as millions of businesses and public spaces prepare to reopen over the next few months
- Test data provides assurance to organisations aiming to welcome back customers, students, visitors and employees.

The Byotrol PLC technical team has successfully developed a test method to verify whether a disinfectant will provide long-lasting protection against viruses in 'real-life' conditions. The 4-in-1 Multi-purpose Cleaner and Disinfectant has successfully passed the test confirming COVID-19 protection on frequently touched hard surfaces over 24-hours.

It's the first time that users can have confidence that the disinfectant they have purchased will provide 24-hour protection against coronavirus on frequently touched hard surfaces in public spaces - from handrails and door handles to worktops, chairs and other areas such as lifts and office environments.

The new test standard was developed to replicate in-use conditions rather than the perfect laboratory environment typically used in such tests and makes this a significant step forward for the testing of disinfectant products in the future. Byotrol plc, which developed and performed the new test, has a team of virologists and microbiologists who have worked on the project over several months, to ensure that the data is robust, resulting in Byotrol declaring that its 4-in-1 Multi-Purpose Cleaner & Disinfectant is proven to protect against coronavirus on hard surfaces for 24-hours after application.

Professor James Stewart, Chair of Molecular Virology at the University of Liverpool reviewed and verified the results externally. Professor Stewart was keen to comment on what the result means for the future of disinfectants: *"A validation of the effectiveness of surface disinfectants against viruses using this test is an important step forward for the industry and consumers alike."*

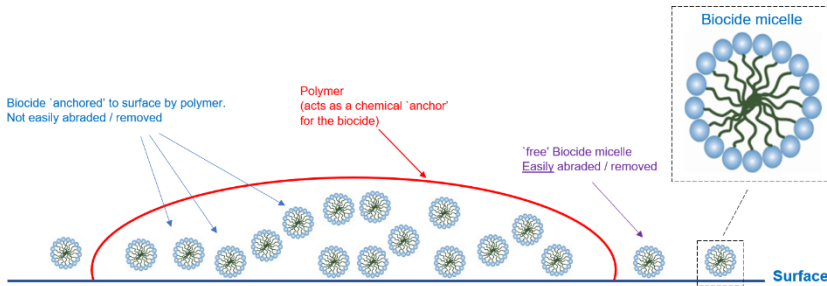
In 2014, Byotrol PLC, with the help of independent industry experts, established the BSI approved PAS 2424:2014 method for confirming long-lasting protection of disinfectants against bacteria. The PAS 2424:2014 test is currently being reviewed by the CEN Committee for approval as a new European EN test standard.



Byotrol's 4-in-1' is fast-acting, it kills 99.99% of bacteria and viruses and offers long-lasting antimicrobial protection for up to 24 hours, even in frequently touched areas and contains the Actizone™ polymer technology from Solvay, which anchors antimicrobial actives to the surface enabling the residual antimicrobial nature of the formulation. Actizone™ technology traps antimicrobial actives to form a protective film on surfaces. The actives initially kill 99.9% of bacteria and viruses and go on to deliver 24-hour protection and peace of mind to consumers while ensuring excellent shine and a residue-free finish.

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Registration Number: 05469392 VAT Number: 292 7325 82



The product is supported by a full microbiological test data pack\* including efficacy against coronavirus, influenza A (H1N1) and rotavirus in just 60 seconds, tested to UK and European standard test methods. It is compliant with the European Biocidal Products Regulation and can be used safely in a multitude of environments.

The surface disinfectant Byotrol 4 in 1 tested at ready to use level displayed residual virucidal activity of 3 log reduction 24 hours after original application against VACV using a modified PAS2424:2014 method.

*\*data available on request*

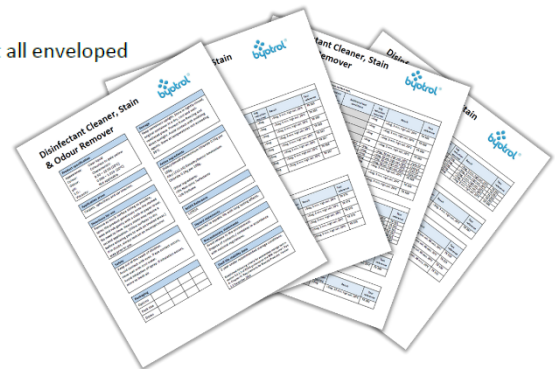
Therefore, Byotrol 4 in 1 can be declared as having residual virucidal activity against all enveloped viruses as follows:

**Ready to use 24 hours**

**Byotrol Technology Ltd., 17/02/2021**

**Gareth Garner – Virologist**

**Dr Alan Merritt – Virologist**



The business says that the test results will give its customers and end-users more confidence in which products on the market are proven to be effective.

Rick Hayman, Managing Director of Byotrol’s Professional Division, said: *“Many organisations and distribution channels have expressed concern over the mysticism of claims made by suppliers in the disinfection market. This latest test development will provide the necessary assurance to those organisations seeking proof of residual efficacy against viruses and other micro-organisms, whilst protecting their stakeholders as lockdown relaxes in the UK.”*

Byotrol 4in1 is available in a 5 Litre Concentrate and 750ml Ready to Use Trigger Spray.



**1. Kills 99.99% of bacteria & viruses**

**2. Protects for 24 hours**

**3. Cleans and removes stains**

**4. Neutralises bad odours**



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