

**Zoono Group Limited (ASX: ZNO)  
ASX ANNOUNCEMENT**

29 October 2020

**Latest Testing Confirms Zoono Efficacy and Longevity**

**Highlights:**

- UK rail passenger trains treated with Zoono Microbe Shield 'near sterile' after 30 days;
- UAE Government appointed Lab confirms Zoono Microbe Shield 99.9% efficacy at 30 days;
- Intertek Laboratory's testing shows Zoono Microbe Shield >99.99% efficacy at 30 days; and
- Testing shows Zoono Hand Alcohol Free Sanitiser GermFree24 meets the requirements of the EN1500 (European) standard for hygienic hand rubs.

Zoono Group Limited (Zoono) (ASX: ZNO) is pleased to provide an overview of recent test results from a series of independent laboratory tests commissioned on its products. All results re-confirm the efficacy and longevity of Zoono's Microbe Shield against pathogens.

In the UK, a series of "in situ" tests were conducted on passenger trains servicing UK Rail. This is in addition to London Underground's original substantive "live" trials of Zoono Microbe Shield against a variety of pathogens in 2015. That original trial found that "Zoono achieved 100% effectiveness over a 21-day period".

The recent testing was carried out by an GTECH Strategies Limited in collaboration with an independent UKAS accredited test laboratory. 72 'hot' touch points areas were tested across 23 trains for any presence of Human COVID-19, E.coli and Staphylococcus. These 'hot points' within carriages and drivers' cabs had been treated with Microbe Shield between 8-30 days prior to testing. The independent laboratory found the following:

- No presence of Human COVID-19 was detected in all 72 tests;
- No presence of E.coli was detected in all 72 tests;
- No presence of Staphylococcus was detected in 70 of the 72 tests. In the other 2 tests, the amount detected was so low it was still described as being 'near sterile' (i.e. Total Viable Colony counts of <10).<sup>1</sup>

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<sup>1</sup> Test results are available on request. Email [hello@zoonoo.com](mailto:hello@zoonoo.com).

In the UAE, a UAE Government appointed laboratory, Dubai Central Laboratory, conducted a series of efficacy and durability tests on Zoono Microbe Shield applied to numerous surfaces – steel, glass, plastics, tile and carpet. The results confirmed 99.9% efficacy of Zoono Microbe Shield against Staphylococcus and E.Coli 30 days after the initial coating. In the case of testing Microbe Shield on wood and rubber, the results were still >90% efficacy at 30 days.<sup>2</sup>

Intertek, a global laboratory chain operating under GLP (the OECD Principles of Good Laboratory Practice) has also recently completed testing of Zoono's Microbe Shield out to 30 days against E.coli, Pseudomonas, Staphylococcus, Enterococcus, Listeria and Salmonella. In all cases results confirmed efficacy 30 days after the initial coating was at >7 Log (efficacy greater than 99.99999%)<sup>3</sup>.

Zoono also recently commissioned additional testing against E-coli to European standard, EN1500:2013-07 (20 persons), of Zoono's Hand Alcohol Free Sanitiser GermFree24 by Lab-Test Laboratorium S.C, Poland. Results demonstrated that it meets the requirements of the EN1500 standard for hygienic hand rubs<sup>4</sup>.

Zoono products are backed by over 100 laboratory reports proving its efficacy and longevity against a variety of pathogens. It is also completely safe for humans. Globally recognised companies continue to order Zoono products to help them protect their staff, customers and communities from pathogens and infection. It is successfully used in buildings, vehicles, aircrafts, homes and hospitals globally.

This announcement has been authorised and approved for release to ASX by Paul Hyslop, Managing Director.

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<sup>2</sup> The Dubai Central Laboratory test results are available on Zoono's website at [zoono.com](http://zoono.com)

<sup>3</sup> The Intertek tests results are available on Zoono's website at [zoono.com](http://zoono.com)

<sup>4</sup> The EN 1500 is a European Standard test method that evaluates the efficacy of a hygienic hand rub by measuring the number of bacteria remaining on the fingertips after contamination and hand rub exposure. A hand rub is defined as a treatment that involves rubbing the hands without the addition of water. It is the standard used in healthcare globally. Test results are available on Zoono's website at [zoono.com](http://zoono.com)

## **About Zoono**

Zoono Group Limited is a global biotech company that develops, manufactures and distributes a suite of scientifically-validated, long-lasting and environmentally-friendly antimicrobial solutions. Zoono's mission is to improve health and well-being through innovative, safe, non-toxic and durable germ protection.

Zoono produces sprays, wipes and foams suited for skin care, surface sanitisers, and mould remediation treatments. The products are based on the 'zoono molecule', a unique antimicrobial molecule that bonds to any surface and kills pathogens including bacteria, viruses, algae, fungi and mould.

Zoono's products have received numerous regulatory approvals and the company's technology claims are supported by independent testing conducted in laboratories worldwide. Zoono is headquartered in New Zealand and its products are available globally.

To learn more, please visit: [www.zoono.com](http://www.zoono.com)