

Please ask for: Carl Edwards

Ref: ECO1

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Dear Charles,

Re: HCAI project

As you know your Alcohol Free Antimicrobial Instant Hand Sanitiser has been one of a number of alcohol and non-alcohol based hand sanitisers that have been recently tested by Food and Drug Advisory Services (FDAS), BioCity, Nottingham.

Whilst the full report is not yet available for publication I am happy to provide the results obtained by the EcoHydra product as interim information.

FDAS performed BS EN 1276:1997 (Phase 2, step 1) a bacterial culture suspension test for efficacy against a range of organisms intended to reflect those that may be found involved in HCAI. This test represents the ability of a sanitiser to kill organisms in a dirty environment i.e. there is an agent added to the test that mimics the effect of dirt on surfaces.

As you can see the EcoHydra product performed up to, or better than, the requirements for the alcohol based hand sanitisers selected for use in the NHS.

Organism	Exposure time		
	30 seconds	60 seconds	90 seconds
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	Pass	Pass	Pass
<i>Eschericia coli</i> (ATCC 10536)	Pass	Pass	Pass
<i>Staphylococcus aureus</i> (ATCC 6538)	Pass	Pass	Pass
<i>Enterococcus hirae</i> (ATCC 10541)	Pass	Pass	Pass
<i>Acinetobacter baumannii</i> (ATCC 19606)	Pass	Pass	Pass
<i>Clostridium difficile</i> (ATCC 9689)	Pass	Pass	Pass
ESBL . <i>E. coli</i> BAA-196	Pass	Pass	Pass
Methicillin resistant <i>S. aureus</i> MRSA (ATCC 43300)	Pass	Pass	Pass

Pass = reduction in bacterial count by at least 1x10⁵

Yours sincerely

Dr Carl Edwards
Director