

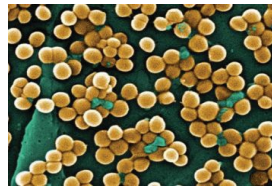
Efficacy Testing Summary - United Kingdom

BioCair conducted efficacy testing in the United Kingdom against bacteria, virus, and spores. Testing was performed at certified, third-party laboratories according to European Standards (EN). BioCair met EN Standards for kill rate and contact time for both suspension and surface testing.*

Antimicrobial Efficacy

EN 13697:2015

Chemical disinfectants and antiseptics – Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas (Phase 2, Step 2)



Bacterial Strain:	Contact Time
Staphylococcus aureus NCTC 10788 (ATCC 6538)	15 min
Escherichia coli NCTC 10418 (ATCC 10536)	15 min

EN 1276:2019

Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas (Phase 2, Step 1)

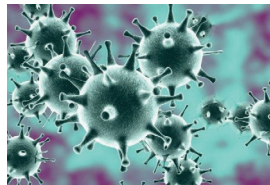


Bacterial Strain:	Contact Time
Pseudomonas aeruginosa NCTC 13359 (ATCC 15442)	30 seconds
Enterococcus hirae NCTC 13383 (ATCC 10541)	30 seconds
Staphylococcus aureus NCTC 10788 (ATCC 6538)	30 seconds
Escherichia coli NCTC 10418 (ATCC 10536)	30 seconds

Virucidal Efficacy

EN 16777:2018

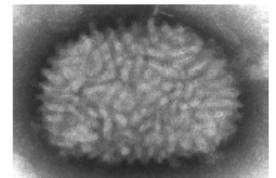
Chemical disinfectants and antiseptics – Quantitative nonporous surface test without mechanical action for the evaluation of virucidal activity of chemical disinfectants used in the medical area - Test method and requirements (Phase 2, Step 2)



Bacterial Strain:	Contact Time
Feline Coronavirus (FCoV)	5 min

EN 14476: 2013

Quantitative suspension test for evaluation of virucidal activity in the medical area (Phase 2, Step1)



Bacterial Strain:	Contact Time
Vaccinia virus Ankara (MVA), ATCC VR-1508	30 seconds

Sporicidal Efficacy

EN 13704:2018












Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas – Test method and requirements (Phase 2, Step 1).



Bacterial Strain:	Contact Time
Clostridium difficile NCTC 11209	5 min
Bacillus cereus CIP 105151	1 min
Bacillus subtilis NC10400	1 min

BIOCAIR BC-65™ PROFESSIONAL BIOCIDES



-  Non-Toxic
-  No Eye Irritation
-  Non-Corrosive
-  No Ingestion Toxicity
-  Non-Irritant
-  No Acute Inhalation Toxicity
-  Alcohol Free
-  No Skin Irritation
-  pH Neutral
-  Fragrance Free
-  Eco-Friendly

*Testing documents are available upon request

EFFICACY AND SAFETY

All BioCair products have passed necessary safety tests in reputable Good Laboratory Practice (GLP) compliance laboratories.

GLEXUS

Security with a personal touch

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TESTING CERTIFICATIONS

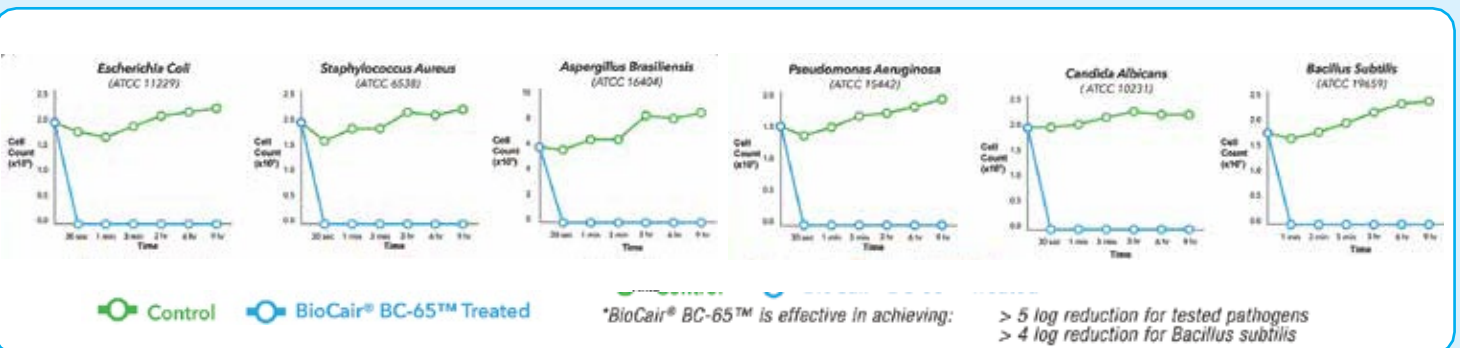
Study Item	Testing Laboratory	Findings	Test Report Reference	Conclusion **
Killing Efficacy	SGS 365 International	Able to kill 99.999% of E.coli, S.aureus, C.albicans, A.brasiliensis & P.aeruginosa in 30 secs and B.subtilis in 60 sec.	08A1201470	BioCair® is fast & effective in eliminating pathogens, in compliance with US Pharmacopoeia Standard
HFMD Killing Efficacy	ATCCO	Able to kill both Coxsackievirus A16 & Enterovirus 71 within 1 minute	Efficacy study of BioCair® BC-65™ on HFMD viruses	BioCair® is proven to kill both HFMD viruses in 1 minute
Lead Mercury Arsenic Analysis	TUV	Less than 0.05ppm	7191096284 -CHM14-SSB-CR1	No lead, mercury and arsenic found, BioCair® is safe for use
Acute Oral Route Toxicity Analysis (GLP)	TUV	Category 5 or unclassified	219192151 -01-00-CR1	BioCair® does not cause ingestion toxicity
Acute Inhalation Toxicity Analysis (GLP)	TUV	No acute inhalation toxicity was observed	2191004040 -03-00-CR1	BioCair® does not cause inhalation toxicity
Ocular Irritation Analysis (GLP)	TUV	No eye irritation after instillation	2191004040 -01-00	BioCair® does not cause eye irritation
Acute Dermal Irritation Analysis (GLP)	TUV	No skin irritation after instillation	2191004040 -02-00	BioCair® does not cause skin irritation
Air Sampling in a Confined Room	TUV	Before BioCair® disinfection: TBC* 130cfu/m³ of air After disinfection: TBC < 10cfu/m³ of air	FB819719/A	BioCair® is proven to be fast & effective in killing airborne pathogens in the room

** Conclusions are based on tested subjects, duration and conditions

* TBC = Total Bacteria Count

* cfu = colony forming unit

FAST KILL RATE; LASTING RESULTS



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