

RelyOn™ MDC Efficacy Data

Bacteria

Organism	Rep No.	Dilution	Strain	Country	Comments	Disease states/Infection
Acinetobacter anitratusa	53	1:100	Clinical isolate	Yugoslavia	Surface disinfectant test	Wound Inf., Pneumonia
Bacillus cereus	122	1:100	ATCC 14579	USA	AOAC Use-Dilution Test	Food Poisoning
Bacillus cereus spores	30	1:100	Strain ATCC 9634	Belgium	Dutch 5-5-5 Protocol	
Bacillus cereus spores	40	1:100	ATCC 9139	Finland		
Bacillus subtilis	130	1:100	ATCC 19659	USA	AOAC Hard Water Test	GI Infection
Bacillus subtilis	130	1:100	NCIMB 8058	USA	AOAC Hard Water Test	
Bacteroides capillosus	51	1:200	1 strain	Italy		Oral Infections
Bacteroides corrodens	51	1:200	1 strain	Italy		Resp, GI, UT Infections
Bacteroides fragilis	51	1:200	10 strains	Italy		GI Infections
Bacteroides oralis	51	1:200	1 strain	Italy		Gum, Upper Resp UTI's
Campylobacter jejuni	145-2	1:100	ATCC 29428	USA	AOAC Use-Dilution Test	GI Infections

Clostridium perfringens	169	1:100	ATCC13124	USA	AOAC Use Dilution Test	Food Poisoning
Clostridium sporogenes	30	1:100	Spores, strain 19404	Belgium	Dutch 5-5-5 Protocol	Gas Gangrene
Enterobacter	51	1:200	4 strains	Italy	MIC test	Nosocomial Infection
Enterococcus faecalis	102	1:200		Italy	Suspension Test (dirty)	Endocarditis, UTI
Enterococcus faecium	63	1:100	ATCC 10541	England	European Suspension test	Endocarditis, UTI
Escherichia coli	38	1:200	Strain NCTC 8196	Australia	TGA Disinfectant Test	Food Poisoning
Escherichia coli	67	Powder	Strain NCTC 8196	England	Blood Spillage Test	Food Poisoning
Escherichia coli	151	1:100		USA	AOAC use-dilution test	Food Poisoning
Escherichia coli	164	1:100	Strain O157	England	European Suspension Test	Food Poisoning
Fusobacterium nucleatum	100	1:800	2 strains	Italy	MIC test	Gingivitis, Pericarditis
Klebsiella aerogenes	53	1:100	Clinical isolate	Yugoslavia	Surface disinfection test	Pneumonia
Klebsiella pneumoniae	50	1:100		Scotland	Kelsey Sykes in-use test.	Pneumonia
Klebsiella pneumoniae	151	1:100	GBL 132	USA	AOAC protocol	Pneumonia

Legionella pneumophila	32	1:5000	NCTC 11192	England	BACS protocol / 3hrs contact	Pneumonia
Listeria monocytogenes	70	1:100	ATCC 19117	USA	AOAC Use Dilution method	Septicaemia
Listeria monocytogenes	120	1:100		UK	EN 1276	
Morganella morganii	47	1:200		Thailand	3 Clinical Isolates	Wound Infections
Neisseria gonorrhoeae	50	1:100		Scotland	Kelsey Sykes in-use test.	STD
Neisseria meningitidis	50	1:100		Scotland	Kelsey Sykes in-use test.	Meningococcal meningitis (African)
Peptostreptococcus anaerobius	100	1:100	3 strains	Italy		Endocarditis (rare)
Propionibacterium acnes	100	1:800	5 strains	Italy	MIC Test	Acne
Propionibacterium granulosum	100	1:150	4 strains	Italy	MIC Test	Acne
Proteus mirabilis	63	1:100	ATCC 14153	England	European suspension test	UTI, Pneumonia, Septicaemia
Proteus vulgaris	38	1:200	Strain NCTC 4635	Australia	TGA Disinfectant Test	UTI
Proteus vulgaris	61	Powder	Strain NCTC 4635	England	Blood Spillage Test	UTI
Pseudomonas aeruginosa	38	1:200	Strain NCTC 6749	Australia	TGA Disinfectant Test	UTI, Resp Inf., Dermatitis

<i>Pseudomonas aeruginosa</i>	61	Powder	Strain NCTC 4635	England	Blood spillage test	UTI, Resp Inf., Dermatitis
<i>Pseudomonas aeruginosa</i>	130	1:100	ATCC 15442	USA	AOAC Hard Water Test	UTI, Resp Inf., Dermatitis
<i>Pseudomonas aeruginosa</i>	130	1:100	NCIMB 10421	USA	AOAC Hard Water Test	UTI, Resp Inf., Dermatitis
<i>Salmonella enteritidis</i>	70	1:50		USA	AOAC EPA DIS/TIS 1&2	Food Poisoning from Eggs
<i>Salmonella typhi</i>	92	1:400	NIPM 90061	Taiwan	Modified Kelsey-Sykes	Typhoid Fever
<i>Salmonella typhimurium</i>	151	1:100	GBL 106	USA	AOAC protocol	Food Poisoning
<i>Sarcina lutea</i>	53	1:100	Strain ATCC 9341	Yugoslavia	Surface disinfectant test	UTI, Meningitis, Septicaemia
<i>Serpulina hyodysenteriae</i> *	70	1:100		USA	AOAC EPA DIS/TIS 1&2	Dysentery
<i>Serratia marcescens</i>	26	1:200	2 Strains	Greece	Antibiotic resistant	Septicaemia
<i>Serratia marcescens</i>	47	1:200		Thailand	3 Clinical Isolates	Endocarditis
<i>Serratia marcescens</i>	51	1:200	6 strains	Italy		
<i>Serratia</i> spp	100	1:400	6 strains	Italy	Suspension test	
<i>Shigella flexneri</i>	92	1:200	NIPM 900213	Taiwan	Modified Kelsey-Sykes	Dysentery
<i>Shigella sonnei</i>	121	1:100	ATCC 25931	USA	AOAC Use Dilution Test	Gastroenteritis

Staphylococcus albus	28	1:100		Greece		Wound Infections
Staphylococcus aureus	26	1:200	ATCC model strain	Greece		Wound Infection, Septicaemia
Staphylococcus aureus	31	1:100	ATCC 6538	England	European suspension test	
Staphylococcus aureus	38	1:200	NCTC 4163	Australia	TGA Disinfectant Test	
Staphylococcus aureus	63	1:100	ATCC 6538	UK	European suspension test	Wound Infection, Septicaemia
Staphylococcus aureus	74	1:100	MRSA Clinical	UK	Surface decontamination trial	Wound Infection, Septicaemia
Staphylococcus intermedius	147	1:200	Noble 4060	UK	AOAC protocol	UTI
Streptococcus faecalis	50	1:100		Scotland	Surface test - instruments	Endocarditis, Wound Infection, UTI
Streptococcus pyogenes	50	1:100		Scotland	Surface test - instruments	Pharyngitis, Scarlet Fever
Vibrio cholerae	92	1:400	NIPM 860501 (01)	Taiwan	Modified Kelsey-Sykes	Cholera
Vibrio fluvialis	92	1:400	NCTC 11327	Taiwan	Modified Kelsey-Sykes	Diarrhoea
Vibrio parahaemolyticus	92	1:400	NIPM 871127	Taiwan	Modified Kelsey-Sykes	Vibriosis

Yersinia ruckeri	41	1:100		UK	EN 1276	(Bubonic Plague is a Yersinia species)	
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Viruses

Group	Genera	Organism	Rep. No	Strain	Country	Comments	Dilution	Env	Disease state/Infection
Adenoviridae	Aviadenovirus	Adenovirus	89		France	AFNOR T 72-180	1:100	no	Pharyngitis
Arenaviridae	Arenavirus	Lassa fever virus	19		England		1:200	yes	Lassa Fever
Bunyaviridae	Phleboviruses	Rift valley fever virus	18		England		1:400	yes	Rift Valley Fever
	Phleboviruses	Rift valley fever virus	82	Ar 55171	Nigeria		1:500	yes	Rift Valley Fever
Caliciviridae	Calicivirus	Feline calicivirus	135		England		1:50	no	Surrogate for Noroviruses
		Feline calicivirus	138	ATCC VR782	USA	USA EPA Approval	1:100	no	Resp. disease complex
Coronaviridae	Coronaviruses	Infectious Bronchitis Virus	131	AOAC standard	USA	Virucidal Spray Test	1:100	yes	Infectious Bronchitis, SARS

Hepadnaviridae	Hepadana virus	Hepatitis B virus	43		Thailand	RPHA method	1:100	no	Hepatitis
	Hepadana virus	Hepatitis B virus	99		Italy	ELISA assay	1:100	no	Hepatitis
	Hepadana virus	Hepatitis B virus	179		UK	HBsAg	1:100	no	Hepatitis
	Hepadana virus	Hepatitis C virus	180		UK	Marker molecule assay	1:100	no	Hepatitis
Herpesviridae	alpha	Herpes Simplex Virus 1	79	Type 1	Japan	Dirty conditions	1:200	yes	Coldsores
Papovaviridae	Papilloma viruses	SV40 Virus (simian)	110	ATCC VR-305	USA	Inanimate surface assay	1:100	no	Tumours
Paramyxoviridae	Morbilliviruses	Measles (rubeola) virus	82	M135F1 3A	Nigeria		1:250	yes	Measles
Picornaviridae	Enterovirus	Polio virus	107		Italy		1:100	no	Poliomyelitis
	Enterovirus	Polio virus	48	Type 2, strain MEF-1	England		1:100	no	Poliomyelitis
	Enterovirus	Polio virus (type 1)	82	Types 1, 2 & 3	Nigeria		1:200	no	Poliomyelitis
	Enterovirus	Polio virus (Lsc 2ab)	83	Type 1 (Lsc 2ab)	Russia	Protocol 1119 - 73 (15mins)	1:50	no	Poliomyelitis

	Enterovirus	Polio virus (Lsc 2ab)	83	Type 1 (Lsc 2ab)	Russia	Surface Test	1:100	no	Poliomyelitis
	Enterovirus	Polio virus	89	Sabin strain	France	AFNOR T 72 - 180	1:100	no	Poliomyelitis
	Enterovirus	Polio virus	107	Type 1	Italy	Suspension test (dirty)	1:100	no	Poliomyelitis
Poxviridae	Orthopox virus	Vaccinia variola	83	Vaccine strain	France	AFNOR T 172 - 80	1:100	yes	Smallpox VaccineVirus
	Orthopox virus	Vaccinia variola	51		Italy		1:1000	yes	
Retroviridae	Lentivirus	HIV	13		England		1:200	yes	AIDS
	Lentivirus	HIV	57		S. Africa		1:100	yes	AIDS
	Lentivirus	HIV	127	Type 1	USA	Inanimate Surface Assay	1:100	yes	AIDS
Rhabdoviridae	Lyssavirus	Rabies virus	16	CBS Strain	England		1:600	yes	Viral Encephalomyelitis
Togaviridae	Flavivirus	West Nile Virus	82	IBAN 4067	Nigeria		1:250	yes	West Nile Fever
	Flavivirus	Yellow fever virus	82	IBH 43913	Nigeria		1:250	yes	Yellow Fever

Fungi

Organism	Rep No.	Country	Comments	Dilution	Disease states/Infection
Absidia corymbifer	21	Japan		1:25	Mucormycosis, soft tissue Infection
Aspergillus fumigatus	21	USA		1:100	Mycotic pneumonia
Aspergillus fumigatus	73	USA	AOAC, EPA, DIS/TSS 1& 6	1:33	
Aspergillus niger	51	Italy		1:100	Pulmonary aspergillosis
Candida albicans	22	England		1:100	
Candida albicans	30	Belgium	Dutch 5-5-5 Protocol	1:100	Candidiasis
Candida albicans	93	W Germany	DGHM Protocol	1:100	
Candida albicans	97	Portugal	AFNOR NF T 72-201	1:100	
Candida albicans	151	USA	AOAC protocol	1:100	
Candida albicans	158	England	European Suspension Test	1:33	
'Candida krusei	51	Italy	Suspension Test	1:200	Candidiasis, diarrhoea
Candida parapsilosis	100	Italy	Suspension Test	1:200	Candidiasis, Nosocomial pathogen immuno-suppressed
Candida tropicalis	100	Italy	Suspension	1:200	Candidiasis

			Test		
Epidermophyton floccosum	51	Italy		1:200	Tinea Pedis, Jock Itch
Fusarium moniliforme	72	USA	AOAC EPA DIS/TSS 1&6	1:50	Leukoencephalomalacia
Fusarium solani	21	Japan		1:400	Pulmonary emphysema
Geotrichum candida	100	Italy	Suspension test	1:200	Geotrichosis, oral, bronchial intestinal infections
Geotrichum cutaneum	21	Japan		1:25	Geotrichosis
Malassezia pachydermatis	166	England	pr EN1657	1:100	Skin, hair,nail infections
Microsporum canis	21	Japan		1:6400	Ringworm
Microsporum canis	21	Italy		1:200	Microsporosis
Microsporum gypseum	51	Italy		1:100	Microsporosis
Saccharomyces cerevisiae	51	Italy	Suspension Test	1:100	Non pathogenic Yeast
Trichophyton gypseum	100	Russia	Protocol 739-68 (30 mins)	1:200	White piedra, Dermatitis
Trichophyton mentagrophytes	83	Italy		1:200	Dermatophytosis, Athletes Foot
Trichophyton mentagrophytes	51	England	AOAC fungicidal protocol	1:300	Dermatophytosis
Trichophyton	51	Italy		1:200	Dermatophytosis, skin

rubrum					infections
Trichophyton verrucosum	21	Japan		1:6400	Dermatophytosis, Ringworm