

ESKAPE Pathogens

Understanding Nosocomial Risk Factors

monitoring of water used in care homes and home bound of the second of the second of the second Safety Guidance (HSG). The majority of the guidance the monitoring of Legionella and is supported by the rowed Code of Practice for Legionella (ACoPI8) and the Technical Nemonandums (HTM), however, there are nge of other risk factors that need to be considered neocomial scenarios. The SEXARE pathogens are riging pathogens of concern. ALS Environmental are to offer rapid identification of these bacteria using revolutionary AUDI-for confirmation technique. The XEP abungens are:

E Pathogens are: tococcus faccium occus faccium formerly known as Streptococcu m until its re-categorization in 1984, is a huma gen that causes nossocrail bacteremia, surgi i infection, endorardits, and urinary tract infection acteria can survive for long periods of time nisis als on a variety of surfaces as well as in soil ar e. Growth temperatures range from 100c to 450c or acidic environments, and in environments while totacit or hypertonic. Ert. factum can be high esistant. The spread of the disease occurs betwee ts in hospitals due to transfer of the pathogen I or medical Instruments. Also, antibiotic use cose see the number of other intestinal bacteria that an bible to the antibiotic and decrease competition for highly tween gen by se can iat are ion for tible to the antibiotic and decrease ug resistant Ent. faecium.

hylococcus aureus arriage of Staphylococcus aureus is an important e of nosocomial infection and community-acquired cillin-resistant Staph.aureus (MRSA) Staph aureus is ion and often found in the nose or on the skin. Most with the bacter nunity. The spect ge from skin abso

uch as septiceen. In pneumoniae nai settings, Klebsiella bacteria can be spread reconto-person contact or by contamination of reconto-person contact or obvious bacteria reconto-person contact or between the strept recontor of the sector of the sector of the sector of the sector recont of the sector of intravenous catheters or redical tools and conditi er the body and cause

STENOTROPHOMONAS

ronmental are proud to be one of the ies in the UK and Ireland to offer an analy few tical



ALS SERVICE OVERVIEW UK and Ireland Locations





g customers with UKAS ISO 17025 S accredited data from our laborate participate in a broad range of Prol and hold a DEFRA import licence for

Bacteria	Incubation Time	Confirmation: Traditional	Confirmation: MALDI-ToF	MALDI-ToF Saving		
Enterococci	2 days	1 day	Minutes	1 day		
Staphylococcus aureus	2 days	1 day	Minutes	1 day		
Klebsiella pneumoniae	1 day	1 day	Minutes	1 day		
Acinetobacter baumannii	1 day	1 day	Minutes	1 day		
Pseudomonas aeruginosa	2 day	1 day	Minutes	1 day		
Enterobacteriaceae	1 day	1 day	Minutes	1 day		
Stenotrophomonas	1 day	1 day	Minutes	1 day		
a second and the second s						
Legionella	10 days	2 days	Minutes	2 days		
E-coli	1 day	1 day	Minutes	1 day		
Coliforms	1 day	1 day	Minutes	1 day		
Clostridium Perfringens	1 day	1 day	Minutes	1 day		
Salmonella	4 days	2 days	Minutes	2 days		
Listeria	4 days	2 days	Minutes	2 days		
The instant confirmation of the ESKADE bacteria allows infection control an						

reatment to make rapid decisions on any potential remedial work ed to be undertaken. The MALDITOF can be used to identify any po a, including Legionella.

MALDI-TOF - Microbiological Confirmations Matrix Assisted Laser Desorption/Ionisation Time of Flight Mass





	LEGIONELLA SPECIES TABLE	E Constant and a second	CONTRACTOR OF THE		
	Name of species	Number of serotypes	Linked to humaninfection	Geographic origin	Common Matrix Type
	Legionella anisa		YES	USA	Process, Drinking, Surface and Recreational
	Lenionella adelaidensis		Unknown	Adelaide in South Australia	Process Water
)	Legionella beliardensis		Unknown	Montbeliard in France	Process Water
í	Legionella birminghamensis		YES	Birmingham, Alabama, USA	Process Water
	Legionella bozemanii (bozemanae)	2	YES	Named after E.Marilyn Bozeman	Clinical Isolation
	Legionella brunensis		Unknown	Bron Czech Republic	Process Water
t	Legionella husanensis		Unknown	Busan in Korea	Process Water
	Legionella cardiaca		YES	Northwestern University, Chicago, USA	Clinical Isolation
	Legionella cherrii		Unknown	Minnesota, USA	Process Water
	Legionella cincinnatiensis		YES	Cincinnati, Ohio, USA	Clinical Isolation
	Legionella donaldsonii		Unknown		Process, Drinking, Surface and Recreational
	Legionella drancourtii		Unknown		Amoebae
	Legionella dresdenensis		Unknown	Dresden, Germany	Recreational and Surface Water
	Legionella drozanskii		Unknown	Leeds, England, UK	Process and Drinking Water
	Legionella dumoffii		YES		Clinical Isolation
	Legionella ervthra	2	YES	Seattle, WA,USA	Process Water
	Legionella fairfieldensis		YES	Faifield Victoria, Australia	Process Water
2	Legionella fallonii		Unknown	Cruise ship in international waters	Process Water
	Legionella feeleii		YES		Process Water and Clinical Isolation
	Legionella geestiana		Unknown	Geest office building London England	Drinking and Process Water
	Legionella genomspecies 1		Unknown		Unknown
	Legionella gormanii		YES	Atlanta USA	Soil
	Legionella gratiana		Unknown	Savoy region in France	Recreational and Process Water
1	Legionella gresilensis		Unknown	In France from the city Gréoux-les-Bains	Recreational Drinking and Process Water
	Legionella backeliae		YES	IISA Pennsylvania	Clinical Isolation
5	Legionella impletisoli		Unknown	lapan	Soils near Trade Effluent Waters
1	Legionella israelensis		YES	In Gaash in Israel	Surface Water and Recreational Water
	Legionella jamestowniensis		Unknown	lamestown New York	Soil
	Legionella jeonij		Unknown	,	Amoebae
	Legionella jordanis		YES	lordan River, Indiana , USA	Process, Trade Effluent and Untreated Sewage
	Legionella Jansingensis		YES	Lansing, Michigan, USA	Clinical Isolation
	Legionella londiniensis	2	Unknown	London , UK	Process. Recreational, Surface and Drinking waters
2	Legionella longbeachae	2	YES	Long Beach, California , USA	Soil and Compost
s s	Legionella lytica	_	YES	Poland	Soil and Amoebae
2	Legionella maceachernii		YES		Drinking Water
	Legionella massiliensis		Unknown	Marseille, France,	Process Water
	Lenionella micdadei -L. pittsburghensis		YES	USA	Clinical Isolation and Drinking Water
	Legionella monrovica		YES	USA	Unknown
	Legionella moravica		Unknown	Moravia, Czech Republic	Process Water
	Legionella nagasakiensis		YES	Aomori, Japan	Clinical Isolation, Recreational and Drinking Water
ł	Legionella nautarum		Unknown	London , UK	Drinking and Process Water
2	Lenionella oakridgensis		YES	Oak Ridge, Tennessee , USA	Clinical Isolation and Process Water
s	Legionella parisiensis		YES	Paris. France	Clinical Isolation. Process and Surface Water
1	Legionella pittsburghensis		Unknown	USA	Clinical Isolation
2	Legionella pneumophila	15	YES	USA	Clinical Isolation, Surface and Recreational Water
	Legionella pneumophila ssp fraseri		YES	Los Angeles, USA	Clinical Isolation
	Legionella pneumophila ssp pascullei		YES		Clinical Isolation
	Legionella pneumophila ssp pneumophila		YES	Philadelphia , USA	Clinical Isolation
	Legionella quateirensis		Unknown	Quarteira, Portugal	Process and Drinking Water
	Lecionella quinlivanii	2	Unknown	Australia	Process Water
	Legionella rowbothamii		Unknown		Process Water and Sludge
	Legionella rubrilucens		YES	Los Angeles,California, USA	Drinking and Recreational Water
	Legionella sainthelensi	2	YES	Mount St. Helens, Washington, USA	Clinical Isolation, Surface, Recreational and Ground Water
	Legionella santicrucis		Unknown	St. Croix, Virgin Islands	Drinking and Process Water
	Legionella shakespearei		Unknown	Stratford-upon-Avon , England, UK	Process Water
	Legionella spiritensis	2	Unknown	St. Helens, Oregon, USA	Recreational and Surface Water
	Legionella steelei		YES	California USA and South Australia	Clinical Isolation
s	Legionella steigerwaltii		Unknown	St. Croix. Virgin Islands	Drinking and Process Water
	Legionella taurinensis		Unknown	Turin Italy	Process Water
	Legionella tursonensis		YES	Turson Arizona USA	Clinical Isolation
	Legionella tunisiensis		Linknown	lake Sabkha, Tunisia	Recreational and Surface Water
	Legionella wadsworthii		VES		(linical Isolation
	Logionalla watterrii	2	Hokoowo	Adelaide Australia	Drinking and Process Water
	Legionena Waltersii	2	Unknown	Auerdice , Australia	Dilliking and Process Water

more information on 02476 42 12 13 or

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