

An updated and referenced list of *Legionellaceae* species

“Clinical association” is defined as being isolated from a patient. Environmental sources serve as examples and are not exhaustive.

Species	ICNP status	Reference DOI	Clinical association	Environmental isolation sources
L. adelaidensis	Accepted	10.1128/jcm.29.5.1004-1006.1991	No known clinical link	Cooling tower: 10.1128/jcm.29.5.1004-1006.1991
L. anisa	Accepted	10.1128/aem.49.2.305-309.1985	Pneumonia: 10.1371/journal.pone.0159726; Pontiac fever: 10.1016/0140-6736(90)91532-F; Arthritis: 10.1186/s12879-022-07475-3	Potable water, cooling towers: 10.1128/aem.49.2.305-309.1985; Potting soil: 10.1128/aem.56.10.2984-2988.1990
L. antarctica	Accepted	10.1128/spectrum.00424-21	No known clinical link	Antarctic lake: 10.1128/spectrum.00424-21
L. beliardensis	Accepted	10.1099/00207713-51-6-1949	No known clinical link	Potable water: 10.1099/00207713-51-6-1949
L. birminghamensis	Accepted	10.1128/jcm.25.11.2120-2122.1987	Pneumonia: 10.1128/jcm.25.11.2120-2122.1987	Compost: 10.1111/1469-0691.12381
L. bononiensis	Accepted	10.1099/ijsem.0.005512	No known clinical link	Potable water distribution system: 10.1099/ijsem.0.005512
L. bozemanæ	Accepted	10.1007/BF02602903	Pneumonia: 10.1016/s0025-6196(12)62667-6	Potable water distribution system: 10.7326/0003-4819-103-2-205; Potting soil: 10.1128/aem.56.10.2984-2988.1990; Compost: 10.1111/j.1469-0691.2009.03009.x
L. brunensis	Accepted	10.1016/0769-2609(88)90102-0	Potentially linked to endocarditis: 10.1128/jcm.01066-11	Cooling tower: 10.1016/0769-2609(88)90102-0
L. busanensis	Accepted	10.1099/ijs.0.02268-0	No known clinical link	Cooling tower: 10.1099/ijs.0.02268-0
L. cardiaca	Accepted	10.1099/ijs.0.039248-0	Endocarditis: 10.1099/ijs.0.039248-0	No confirmed source
L. cherrii	Accepted	10.1099/00207713-35-1-50	Pneumonia: 10.1007/s11033-021-06704-3	Potable water: 10.1099/00207713-35-1-50

L. cincinnatiensis	Accepted	10.1128/jcm.26.3.418-420.1988	Pneumonia: 10.1128/jcm.26.3.418-420.1988; Septic arthritis: 10.1007/s15010-016-0964-1; Soft tissue abscesses: 10.1128/JCM.39.12.4568-4570.2001	Compost: 10.1111/j.1469-0691.2009.03009.x
L. clemsonensis	Accepted	10.1111/1348-0421.12439	Pneumonia: 10.1111/1348-0421.12439	No confirmed source
L. donaldsonii	Not validly published	10.1099/00207713-46-2-526; 10.1099/00207713-49-2-397	Pneumonia: 10.1128/JCM.00380-15	Potable water distribution: 10.1016/j.watres.2021.117013
L. drancourtii	Accepted	10.1099/ijs.0.02455-0	Pneumonia: 10.1111/j.1574-6976.2009.00207.x	Hosted by ubiquitous amoeba: 10.1099/ijs.0.02455-0
L. dresdenensis	Accepted	10.1099/ijs.0.017863-0	No known clinical link	River water: 10.1099/ijs.0.017863-0
L. drozanskii	Accepted	10.1099/00207713-51-3-1151	Pneumonia: 10.1016/S0732-8893(00)00181-4	Engineered water environment: 10.1099/00207713-51-3-1151
L. dumoffii	Accepted	10.1007/BF02602903; 10.1099/00207713-31-2-111	Pneumonia: 10.1086/341087	Potting soil: 10.1128/aem.56.10.2984-2988.1990; Cooling tower: 10.1099/00207713-35-1-50
L. erythra	Accepted	10.1099/00207713-35-1-50	Pneumonia: 10.1086/586741	Cooling tower: 10.1099/00207713-35-1-50
L. fairfieldensis	Accepted	10.1128/jcm.29.3.475-478.1991	No known clinical link	Cooling tower: 10.1128/jcm.29.3.475-478.1991
L. fallonii	Accepted	10.1099/00207713-51-3-1151	Pneumonia: 10.1016/S0732-8893(00)00181-4	Pluvial runoff: 10.1128/AEM.00131-12
L. feeleeii	Accepted	10.7326/0003-4819-100-3-333	Pneumonia: 10.1086/341087; Pontiac fever: 10.7326/0003-4819-100-3-333	Compost: 10.1111/1469-0691.12381
L. geestiana	Accepted	10.1099/00207713-43-2-329	No known clinical link	Building hot water: 10.1099/00207713-43-2-329
L. genomospecies 1	Not validly published	10.1099/00207713-46-3-631	No known clinical link	Potable water: 10.1099/00207713-46-3-631

L. gormanii	Accepted	10.1128/jcm.12.5.718-721.1980	Pneumonia and neutropenic fever: 10.1128/jcm.00380-15	Compost: 10.1111/1469-0691.12381; Potting soil: 10.1128/aem.56.10.2984-2988.1990
L. gratiana	Accepted	10.1016/0923-2508(89)90086-7	No known clinical link	Thermal spa: 10.1016/0923-2508(89)90086-7
L. gresilensis	Accepted	10.1099/00207713-51-6-1949	No known clinical link	Thermal spa: 10.1099/00207713-51-6-1949
L. hackeliae	Accepted	10.1099/00207713-35-1-50	Pneumonia: 10.1099/00207713-35-1-50	No known environmental isolation source
L. impletisoli	Accepted	10.1016/j.syapm.2006.11.005	No known clinical link	Contaminated soil: 10.1016/j.syapm.2006.11.005
L. indianapolisensis	Not validly published	10.1016/j.ijid.2018.01.024	Pulmonary abscess: 10.1016/j.ijid.2018.01.024	No known environmental isolation source
L. israelensis	Accepted	10.1099/00207713-36-3-368	No known clinical link	Oxidation ponds: 10.1099/00207713-36-3-368
L. jamestowniensis	Accepted	10.1099/00207713-35-1-50	Pneumonia: 10.1016/j.jiac.2016.07.015	Soil: 10.1099/00207713-35-1-50; Compost: 10.1111/j.1469-0691.2009.03009.x
L. jeonii (candidatus)	Not validly published	10.1111/j.1462-2920.2004.00659.x	No known clinical link	Endosymbiont of sediment-dwelling amoeba: 10.1111/j.1462-2920.2004.00659.x
L. jordanis	Accepted	10.1128/jcm.15.2.290-297.1982	Respiratory tract infection: 10.1128/JCM.00314-07	River water, sewage: 10.1128/jcm.15.2.290-297.1982
L. lansingensis	Accepted	10.1128/jcm.30.9.2398-2401.1992	Pneumonia: 10.1128/jcm.30.9.2398-2401.1992	No known environmental isolation source
L. londiniensis	Accepted	10.1099/00207713-43-2-329	Pneumonia: 10.1128/jcm.02182-12	Cooling tower: 10.1099/00207713-43-2-329
L. longbeachae	Accepted	10.7326/0003-4819-94-6-739	Pneumonia: 10.7326/0003-4819-94-6-739; Wound infection: 10.3389/fcimb.2023.1178130	Compost: 10.1111/1469-0691.12381; Potting soil: 10.1128/aem.56.10.2984-2988.1990; Potable water: 10.1017/s0950268800057502
L. lytica	Accepted	10.1099/00207713-46-2-526	Pneumonia: 10.1111/j.1574-6976.2009.00207.x	Wastewater treatment plant: 10.1128/AEM.00131-12

L. maceachernii	Accepted	10.1099/00207713-35-1-50	Pneumonia: 10.1128/JCM.00380-15	Evaporator: 10.1099/00207713-35-1-50
L. maioricensis	Accepted	10.1099/ijsem.0.005686	No known clinical link	Water distribution system: 10.1099/ijsem.0.005686
L. massiliensis	Accepted	10.1099/ijs.0.037853-0	No known clinical link	Water samples: 10.1099/ijs.0.037853-0
L. micdadei (correct name of L. pittsburghensis)	Accepted	10.1007/BF02601800	Pneumonia: 10.1007/BF02601800; Lochgoilhead fever: 10.1016/S0140-6736(89)91319-6; Prosthetic joint infection: 10.1128/jcm.00770-11; Pontiac fever: 10.1136/jcp.43.6.479	Compost: 10.1111/1469-0691.12381; Whirlpool water: 10.1136/jcp.43.6.479
L. monrovica	Not validly published	https://www.ncbi.nlm.nih.gov/nuccore/437831	No known clinical link	No known environmental isolation source
L. moravica	Accepted	10.1016/0769-2609(88)90102-0	No known clinical link	Cooling tower: 10.1016/0769-2609(88)90102-0
L. nagasakiensis	Accepted	10.1099/ijs.0.027193-0	Pneumonia: 10.1099/ijs.0.027193-0	Hot spring water: 10.4265/bio.16.171
L. nautarum	Accepted	10.1099/00207713-43-2-329	No known clinical link	Building hot water: 10.1099/00207713-43-2-329
L. norrlandica	Accepted	10.1099/ijs.0.068940-0	No known clinical link	Wood processing plants: 10.1099/ijs.0.068940-0
L. oakridgensis	Accepted	10.1128/aem.45.2.536-545.1983	Pneumonia: 10.1128/jcm.21.3.462-463.1985	Cooling tower: 10.1128/aem.45.2.536-545.1983; Garden waste: 10.1111/j.1469-0691.2009.03009.x
L. pneumophila spp fraseri	Accepted	10.1128/jcm.26.9.1695-1703.1988	Pneumonia: 10.3201/eid2804.211433	Cooling tower: 10.1128/genomea.01525-16
L. pneumophila spp pascullei	Accepted	10.1128/jcm.26.9.1695-1703.1988	Pneumonia: 10.1128/JCM.00380-15	Potable water: 10.1128/genomeA.00335-16
L. pneumophila spp pneumophila	Accepted	10.1128/jcm.26.9.1695-1703.1988	Pneumonia: 10.1128/JCM.00380-15	Hot building water: 10.1128/MRA.00384-19
L. parisiensis	Accepted	10.1099/00207713-35-1-50	Pneumonia: 10.1128/jcm.35.7.1706-1709.1997	Cooling tower: 10.1099/00207713-35-1-50

L. pneumophila	Accepted	10.7326/0003-4819-90-4-656	Pneumonia: 10.7326/0003-4819-90-4-656; Septic arthritis with probable endocarditis (SG1): 10.1097/RHU.0000000000000128	Potable water: 10.1128/aem.48.4.830-832.1984; Potting soil: 10.1128/aem.56.10.2984-2988.1990; Compost: 10.1111/1469-0691.12381; Runoff water, wastewater treatment plant: 10.1128/AEM.00131-12
L. polyplacis (candidatus)	Not validly published	10.1093/gbe/evx217	No known clinical link	Tick symbiont: 10.1093/gbe/evx217
L. qingyii	Accepted	10.1099/ijsem.0.003421	No known clinical link	Water samples: 10.1099/ijsem.0.003421
L. quateirensis	Accepted	10.1099/00207713-43-2-329	No known clinical link	Compost: 10.1111/1469-0691.12381; Shower water: 10.1099/00207713-43-2-329
L. quinlivanii	Accepted	10.1007/BF01569569	Pneumonia: 10.3138/jammi-2019-0021	Water from air conditioning system: 10.1007/BF01569569
L. resiliens	Not validly published	10.3390/pathogens13030250	No known clinical link	Hot building water: 10.3390/pathogens13030250
L. rowbothamii	Accepted	10.1099/00207713-51-3-1151	Pneumonia: 10.1111/j.1574-6976.2009.00207.x	Engineered water systems: 10.1099/00207713-51-3-1151
L. rubrilucens	Accepted	10.1099/00207713-35-1-50	Pneumonia: 10.1128/AEM.00721-18	Hot spring: 10.4265/bio.17.101; Potable water: 10.1016/j.ijheh.2017.10.011
L. sainthelensi	Accepted	10.1128/aem.47.2.369-373.1984	Pneumonia: 10.1186/s12879-021-06651-1	Potable water: 10.1099/00207713-35-1-50; Freshwater: 10.1128/aem.47.2.369-373.1984; Compost: 10.1111/1469-0691.12381; Wastewater treatment plant: 10.1128/AEM.00131-12
L. santicrucis	Accepted	10.1099/00207713-35-1-50	No known clinical link	Potable water: 10.1099/00207713-35-1-50

L. saoudiensis	Accepted	10.1099/ijsem.0.001357	No known clinical link	Sewage water: 10.1099/ijsem.0.001357
L. septentrionalis	Accepted	10.1099/ijsem.0.004592	No known clinical link	River and lake water: 10.1099/ijsem.0.004592
L. shakespearei	Accepted	10.1099/00207713-42-3-404	No known clinical link	Cooling tower: 10.1099/00207713-42-3-404
L. spiritensis	Accepted	10.1099/00207713-35-1-50	No known clinical link	Compost: 10.1111/1469-0691.12381
L. steelei	Accepted	10.1099/ijs.0.035709-0	Pneumonia (not confirmed): 10.1099/ijs.0.035709-0	No known environmental isolation source
L. steigerwaltii	Accepted	10.1099/00207713-35-1-50	No known clinical link	Tap water: 10.1099/00207713-35-1-50
L. taurinensis	Accepted	10.1099/00207713-49-2-397	No known clinical link	Water samples: 10.1099/00207713-49-2-397
L. thermalis	Accepted	10.1111/1348-0421.12366	No known clinical link	Hot spring: 10.1111/1348-0421.12366
L. tucsonensis	Accepted	10.1128/jcm.27.8.1831-1834.1989	Pneumonia: 10.1128/jcm.27.8.1831-1834.1989	No known environmental isolation source
L. tunisiensis	Accepted	10.1099/ijs.0.037853-0	No known clinical link	Water samples: 10.1099/ijs.0.037853-0
L. wadsworthii	Accepted	10.7326/0003-4819-97-6-809	Pneumonia: 10.7326/0003-4819-97-6-809	Runoff and sewer water: 10.1128/AEM.00131-12
L. waltersii	Accepted	10.1099/00207713-46-3-631	Pneumonia: 10.1111/j.1651-2227.2005.tb01828.x	Drinking water: 10.1099/00207713-46-3-631
L. worsleiensis	Accepted	10.1099/00207713-43-2-329	Pneumonia: 10.3201/eid1202.050434	Cooling tower: 10.1099/00207713-43-2-329
L. yabuuchiae	Accepted	10.1016/j.syapm.2006.11.005	No known clinical link	Contaminated soil: 10.1016/j.syapm.2006.11.005

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