

LISTERIA SPP. (SENSU STRICTO, SENSU LATO) DETECTION AND IDENTIFICATION. PERFORMANCE OF BIOMÉRIEUX METHODS

Table 1: Detection *Listeria* spp. sensu stricto.

	Reference ISO 11290-1:2017	ALOA® One Day Ref. 423151	GENE-UP® Listeria Ref. 423106	VIDAS® LIS Ref. 30700	VIDAS® LPT Ref. 30126	GENE-UP® Listeria monocytogenes Ref. 423107	VIDAS® LMX Ref. 30123	VIDAS® LMO2 Ref. 30704
<i>Target:</i>	<i>Listeria</i> spp. ¹					<i>Listeria monocytogenes</i>		
<i>Listeria monocytogenes</i>	Detected	Detected	Detected	Detected	Detected	Detected	Detected	Detected
<i>Listeria innocua</i>	Detected	Detected	Detected	Detected	Detected	Not detected	Not detected	Not detected
<i>Listeria ivanovii ssp ivanovii</i>	Detected	Detected	Detected	Detected	Detected	Not detected	Not detected	Not detected
<i>Listeria ivanovii ssp londoniensis</i>	Detected	Detected	Detected	Detected	Detected	Not detected	Not detected	Not detected
<i>Listeria seeligeri</i>	Detected	Detected	Detected	Detected	Detected	Not detected	Not detected	Not detected
<i>Listeria welshimeri</i>	Detected	Detected	Detected	Detected	Detected	Not detected	Not detected	Not detected
<i>Listeria marthii</i>	Detected	Detected ²	Detected	Detected	Detected	Not detected	Not detected	Not detected
<i>Listeria immobilis</i>	Detected	Detected ²	Detected	Not detected ³	Not detected ³	Not detected	Not detected	Not detected
<i>Listeria cossartiae ssp cossartie</i>	Detected	Detected	Detected	Detected	Detected	Not detected	Not detected	Not detected
<i>Listeria cossartiae ssp cayugensis</i>	Detected	Detected	Detected	Detected	Detected	Not detected	Not detected	Not detected
<i>Listeria farberii</i>	Detected	Detected	Detected	Detected	Detected	Not detected	Not detected	Not detected

¹ Including *Listeria monocytogenes*.
² Not detected when confirmed by RapidCheck® test.
³ Method detecting motile strains.

Table 2: Detection *Listeria* spp. sensu lato.

	Reference ISO 11290-1:2017	ALOA® One Day Ref. 423151	VIDAS® LPT Ref. 30126	VIDAS® LIS Ref. 30700	GENE-UP® Listeria Ref. 423106
<i>Target:</i>	<i>Listeria</i> spp.				
<i>Listeria aquatica</i>	Detected	Detected ¹	Not detected	Not detected	Not detected
<i>Listeria booriae</i>	Detected	Detected ¹	Not detected	Not detected	Not detected
<i>Listeria cornellensis</i>	Not detected	Not detected	Not detected	Not detected	Not detected
<i>Listeria costaricensis</i>	Detected	Detected	Detected	Detected	Not detected
<i>Listeria fleischmannii ssp coloradonensis</i>	Detected	Detected ¹	Not detected	Not detected	Not detected
<i>Listeria fleischmannii ssp fleischmannii</i>	Detected	Detected ¹	Not detected	Not detected	Not detected
<i>Listeria floridensis</i>	Detected	Detected ¹	Not detected	Not detected	Not detected
<i>Listeria grandensis</i>	Not detected	Not detected	Not detected	Not detected	Not detected
<i>Listeria grayi</i>	Detected	Detected ¹	Detected ²	Detected ²	Not detected
<i>Listeria newyorkensis</i>	Not detected	Not detected	Not detected	Not detected	Not detected
<i>Listeria portnoyi</i>	Not detected	Not detected	Not detected	Not detected	Not detected
<i>Listeria riparia</i>	Detected	Detected ¹	Not detected	Not detected	Not detected
<i>Listeria rocourtiae</i>	Not detected	Not detected	Not detected	Not detected	Not detected
<i>Listeria rustica</i>	Not detected	Not detected	Not detected	Not detected	Not detected
<i>Listeria thailandensis</i>	Detected	Detected ¹	Not detected	Not detected	Not detected
<i>Listeria valentina</i>	Detected	Detected ¹	Not detected	Not detected	Not detected
<i>Listeria weihenstephanensis</i>	Not detected	Not detected	Not detected	Not detected	Not detected

¹ Not detected when confirmed by RapidCheck® test.
² Low numbers of specific strains may be not detected

Table 3: Identification *Listeria* spp. sensu stricto and sensu lato

	API® Listeria v.2.0 Ref. 10300	VITEK® 2C GP v 9.04 Ref. 21342	VITEK® MS IVD v. 3.2
<i>Listeria monocytogenes</i> ¹	<i>Listeria monocytogenes</i>	<i>Listeria monocytogenes</i>	<i>Listeria monocytogenes</i>
<i>Listeria innocua</i> ¹	<i>Listeria innocua</i>	<i>Listeria innocua</i>	<i>Listeria innocua</i>
<i>Listeria ivanovii ssp ivanovii</i> ¹	<i>Listeria ivanovii</i>	<i>Listeria ivanovii</i>	<i>Listeria ivanovii ssp ivanovii</i>
<i>Listeria ivanovii ssp londoniensis</i> ¹	<i>Listeria ivanovii</i>	<i>Listeria ivanovii</i>	<i>Listeria ivanovii ssp londoniensis</i>
<i>Listeria seeligeri</i> ¹	<i>Listeria seeligeri</i>	<i>Listeria seeligeri</i>	<i>Listeria seeligeri</i>
<i>Listeria welshimeri</i> ¹	<i>Listeria welshimeri</i>	<i>Listeria welshimeri</i>	<i>Listeria welshimeri</i>
<i>Listeria marthii</i> ¹	Not in database	Not in database	<i>Listeria marthii</i>
<i>Listeria grayi</i> ²	<i>Listeria grayi</i>	<i>Listeria grayi</i>	<i>Listeria grayi</i>

¹ *Listeria* sensu stricto
² *Listeria* sensu lato
All other *Listeria* spp. sensu stricto and sensu lato are not available in the respective databases. They may be identified as *Listeria* spp., associated to other *Listeria* species or non identified.