

Table 1S. Biochemical tests of LAB strains using API 50 CHL system.

Carbohydrate sources			Strains					
Position	Code	Tests	CM9	CM30	CM70	SM34	M67	E14
1	GLY	Glycerol	-	-	-	-	-	-
2	ERY	Erytrol	-	-	-	-	-	-
3	DARA	D-Arabinose	-	-	-	-	-	-
4	LARA	L-Arabinose	-	+	-	-	-	+
5	RIB	Ribose	-	+	-	+	-	-
6	DXYL	D-Xylose	-	+	-	+	-	+
7	LXYL	L-Xylose	-	-	-	-	-	-
8	ADO	D-Adonitol	-	-	-	-	-	-
9	MDX	Metil-β-D-Xylopyranoside	-	-	-	-	-	-
10	GAL	Galactose	+	+	+	+	+	+
11	GLU	Glucose	+	+	+	+	+	+
12	FRU	Fructose	+	+	+	+	+	+
13	MNE	Manose	+	+	+	+	+	+
14	SBE	Sorbose	-	-	-	-	-	-
15	RHA	Rhamnose	-	-	-	-	-	-
16	DUL	Dulcitol	-	-	-	-	-	-
17	INO	Inozitol	-	-	-	-	-	-
18	MAN	Manitol	-	-	-	-	-	-
19	SOR	Sorbitol	-	-	-	-	-	-
20	MDM	Metil-α-D-Manopyranoside	-	+	+	+	+	+
21	MDG	Metil-α-D-Glucopyranoside	+	+	+	+	+	+
22	NAG	N-Acetyl-glucosamine	+	+	+	+	+	+
23	AMY	Amygdaline	-	-	-	-	-	-
24	ARB	Arbutine	-	+	+	+	+	+
25	ESC	Esculin	-	+	+	+	+	+
26	SAL	Salicin	-	+	+	+	+	+
27	CEL	D-Celobiose	-	-	-	-	-	-
28	MAL	D-Maltose	+	+	+	+	+	+
29	LAC	D-Lactose	+	+	+	+	+	+
30	MEL	D-Melibiose	+	+	+	+	+	+
31	SAC	D-Sucrose	+	+	+	+	+	+
32	TRE	D-Trehalose	+	+	+	+	+	+
33	INU	Inuline	-	-	-	-	-	-
34	MLZ	D-Melezitose	-	-	-	-	-	-
35	RAF	D-Rafinose	-	-	-	-	-	+
36	AMD	Starch	-	-	-	-	-	-
37	GLYG	Glycogen	-	-	-	-	-	-
38	XLT	Xylitol	-	-	-	-	-	-
39	GEN	Gentiobiose	-	-	-	-	-	-
40	TUR	D-Turanose	+	+	+	-	+	+
41	LYX	D-Lyxose	-	-	-	-	-	-
42	TAG	D-Tagatose	-	-	-	-	-	-
43	DFUC	D-Fucose	-	-	-	-	-	-
44	LFUC	L-Fucose	-	-	-	-	-	-

45	DARL	D-Arabitol	-	-	-	-	-	-
46	LARL	L-Arabitol	-	-	-	-	-	-
47	GNT	Potasium gluconate	-	-	-	-	-	-
48	2KG	2-Ketogluconate	-	-	-	-	-	-
49	5KG	5-Ketogluconate	-	-	-	-	-	-

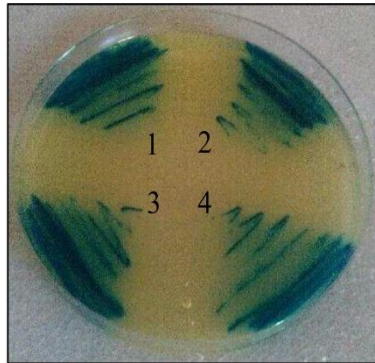


Figure 1S. Use of citrate by *L. mesenteroides* strains on KMK medium. 1, CM30; 2, SM34; 3, CM70 and 4, CM9.

Table 2S. Inhibition of pathogenic bacteria by *L. mesenteroides* strains obtained by the direct method.

Indicators LAB	MRS pH 6.2		MRS pH 7.0	
	<i>S. aureus</i> ATCC 25923	<i>E.coli</i> ATCC 25922	<i>S. aureus</i> ATCC 25923	<i>E.coli</i> ATCC 25922
CM9	17	15	NI	NI
CM30	18	15	NI	NI
CM70	19	17	15	14
SM34	22	17	NI	NI
E14	17	16	NI	NI
M67	18	14	NI	NI

NI, no inhibition.