

FIG.1

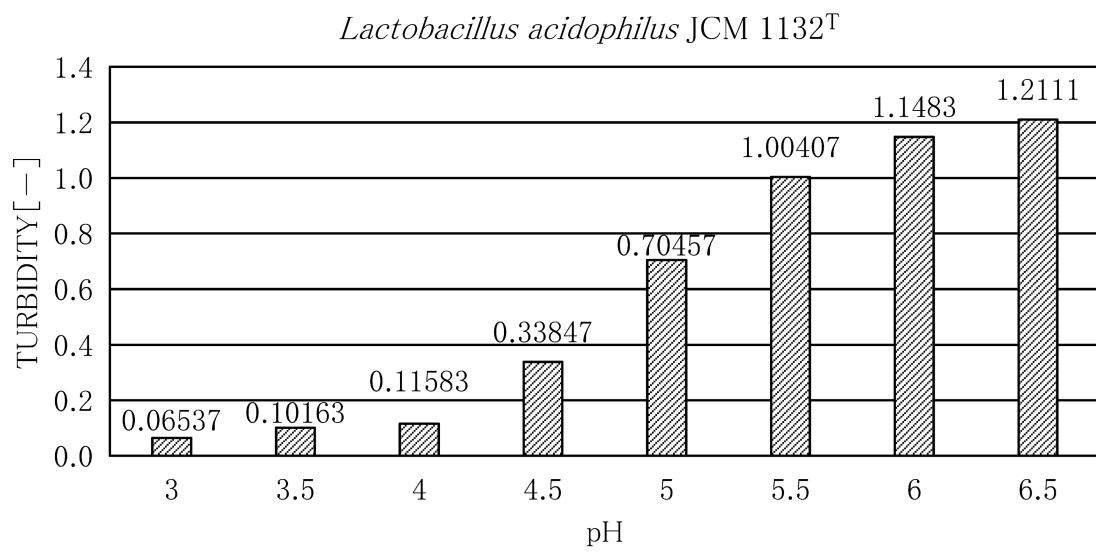


FIG.2

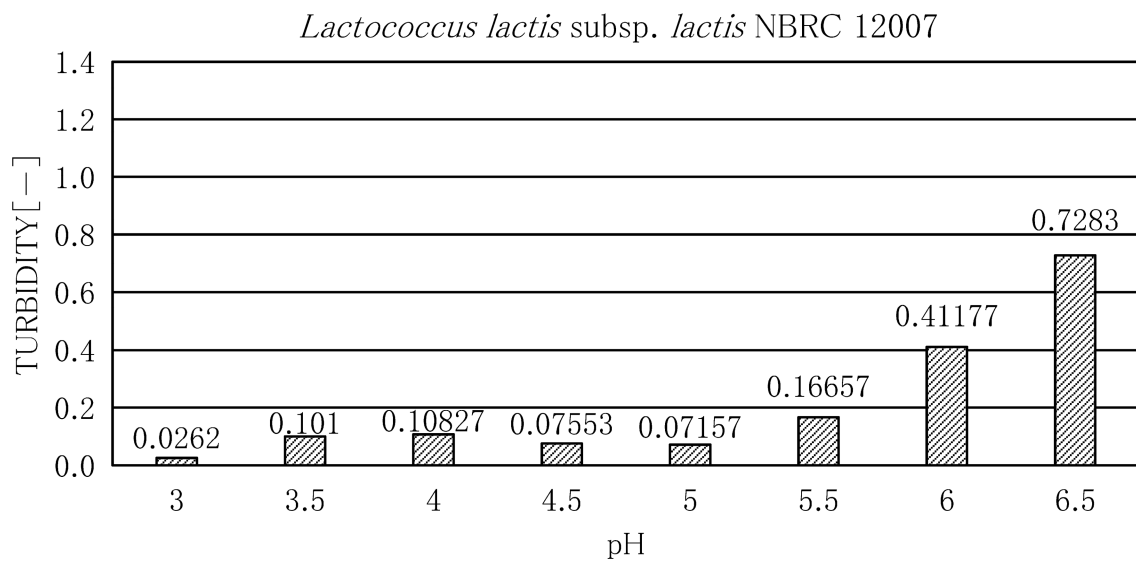


FIG.3

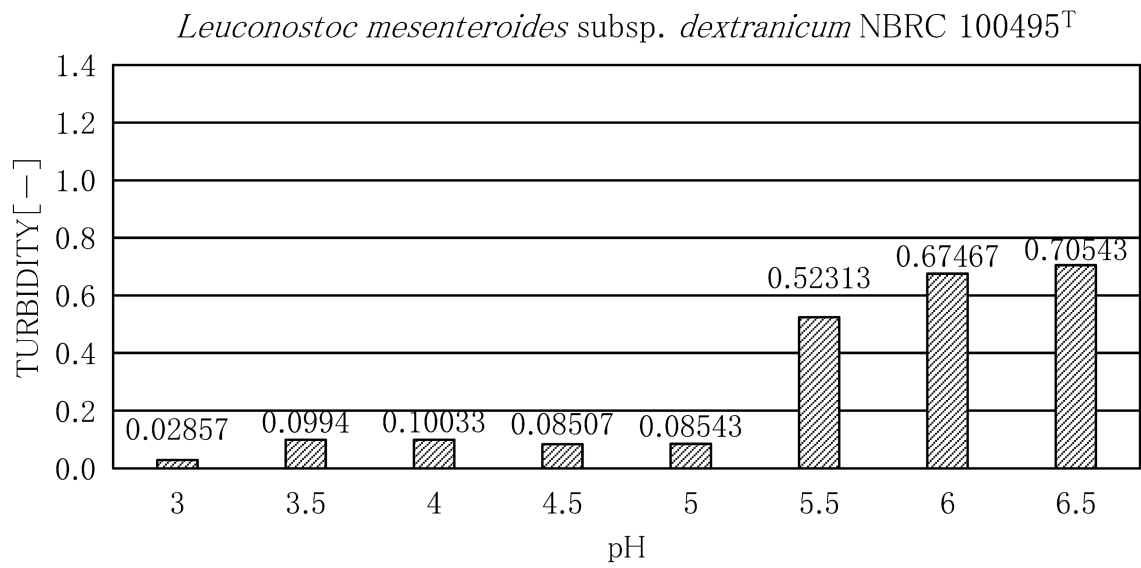


FIG.4

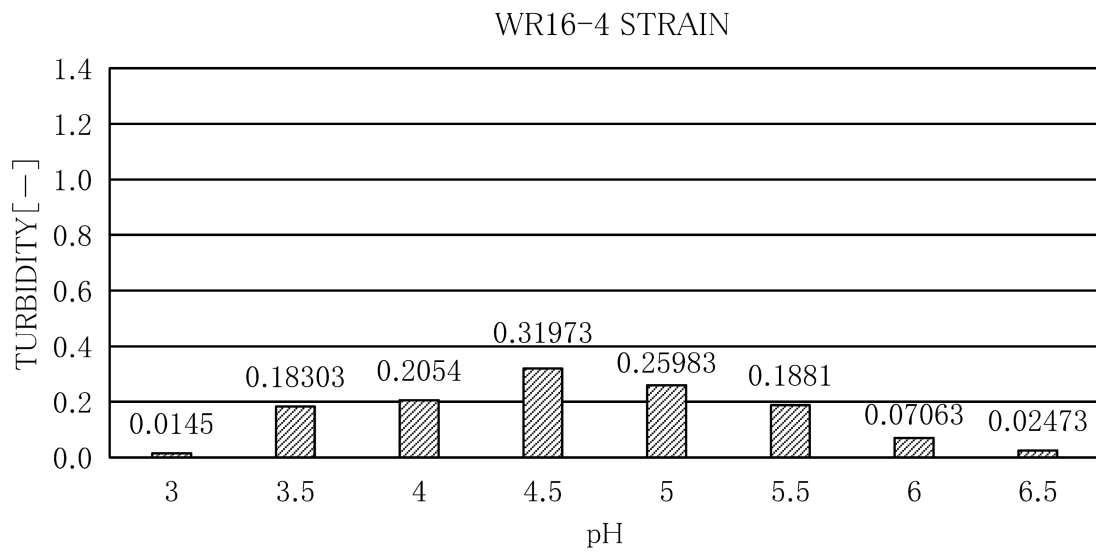


FIG.5

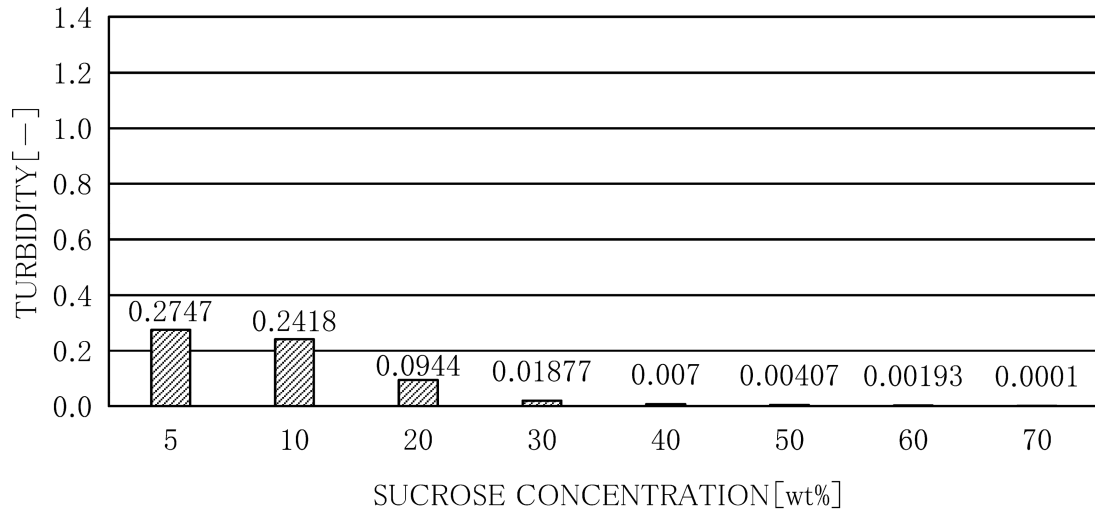
Lactobacillus acidophilus JCM 1132^T

FIG.6

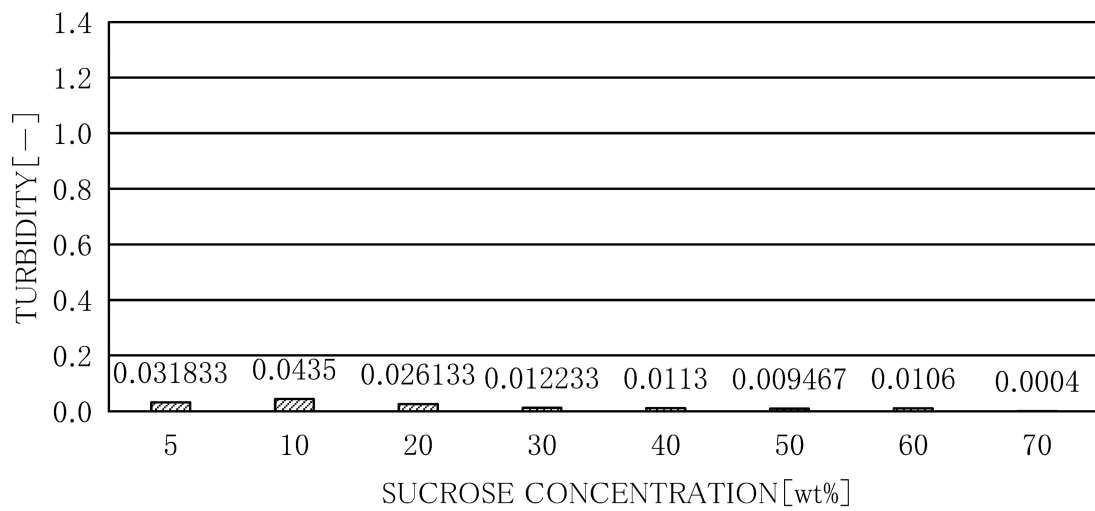
Lactococcus lactis subsp. *lactis* NBRC 12007

FIG.7

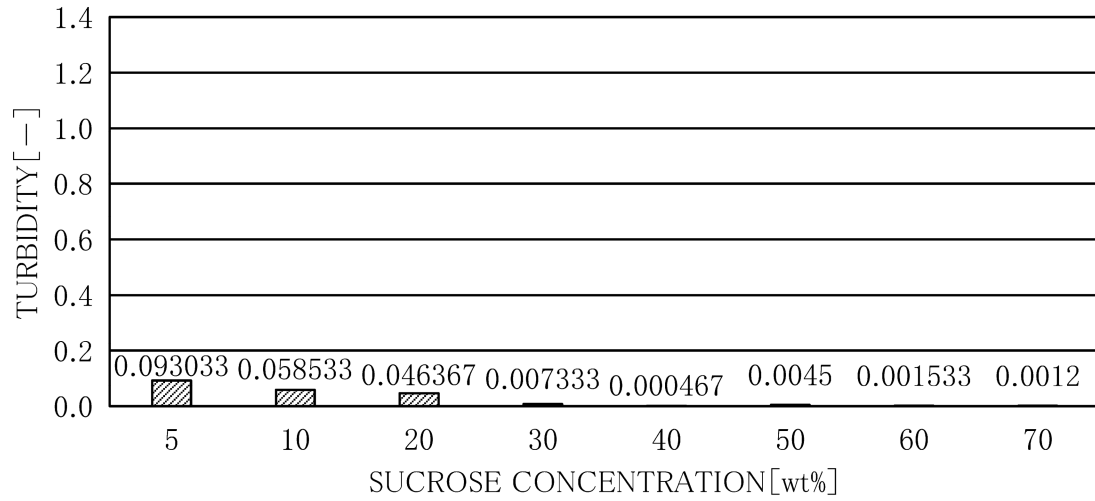
Leuconostoc mesenteroides subsp. *dextranicum* NBRC 100495^T

FIG.8

WR16-4 STRAIN

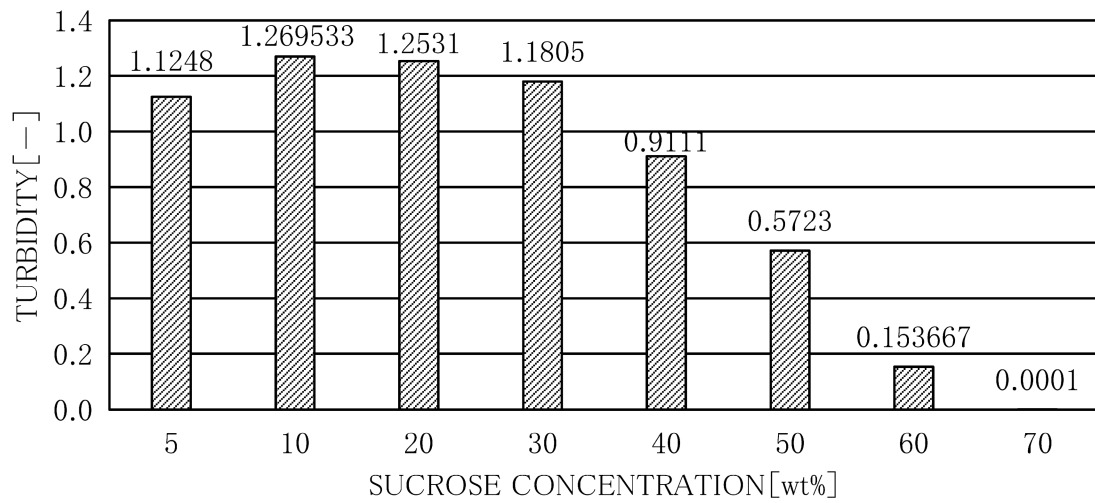


FIG.9

Component	Producer	Final concentration [g/L]
High polypeptone	Nihon Pharmaceutical Co., Ltd.	10.0
Fish meat extract	Kyokuto Pharmaceutical Industrial Co., Ltd.	10.0
Yeast extract	Kyokuto Pharmaceutical Industrial Co., Ltd.	5.0
CH ₃ COONa	Fujifilm Wako Pure Chemical Corp.	5.0
K ₂ HPO ₄	Fujifilm Wako Pure Chemical Corp.	2.0
C ₆ H ₁₄ N ₂ O ₇	Fujifilm Wako Pure Chemical Corp.	2.0
Tween 80	Fujifilm Wako Pure Chemical Corp.	1.0
MgSO ₄ ·7H ₂ O	Fujifilm Wako Pure Chemical Corp.	0.1
MnSO ₄ ·4-5H ₂ O	Fujifilm Wako Pure Chemical Corp.	0.05
Sugar (glucose or sucrose)	Fujifilm Wako Pure Chemical Corp.	Different depending on experimentation method and bacterial strain
Adjustment of pH	4N NaOH or 4N HCl	Different depending on experimentation method and bacterial strain

FIG.10

Component	Producer	Final concentration [g/L]
High polypeptone	Nihon Pharmaceutical Co., Ltd.	10.0
Fish meat extract	Kyokuto Pharmaceutical Industrial Co., Ltd.	10.0
Yeast extract	Kyokuto Pharmaceutical Industrial Co., Ltd.	5.0
CH ₃ COONa	Fujifilm Wako Pure Chemical Corp.	5.0
K ₂ HPO ₄	Fujifilm Wako Pure Chemical Corp.	2.0
C ₆ H ₁₄ N ₂ O ₇	Fujifilm Wako Pure Chemical Corp.	2.0
Tween 80	Fujifilm Wako Pure Chemical Corp.	1.0
MgSO ₄ ·7H ₂ O	Fujifilm Wako Pure Chemical Corp.	0.1
MnSO ₄ ·4-5H ₂ O	Fujifilm Wako Pure Chemical Corp.	0.05
Sugar (glucose, fructose, or sucrose)	Fujifilm Wako Pure Chemical Corp.	Different depending on culture medium
Adjustment of pH	4N HCl	Adjusted so as to reach 4.5

FIG.11

WR16-4 STRAIN

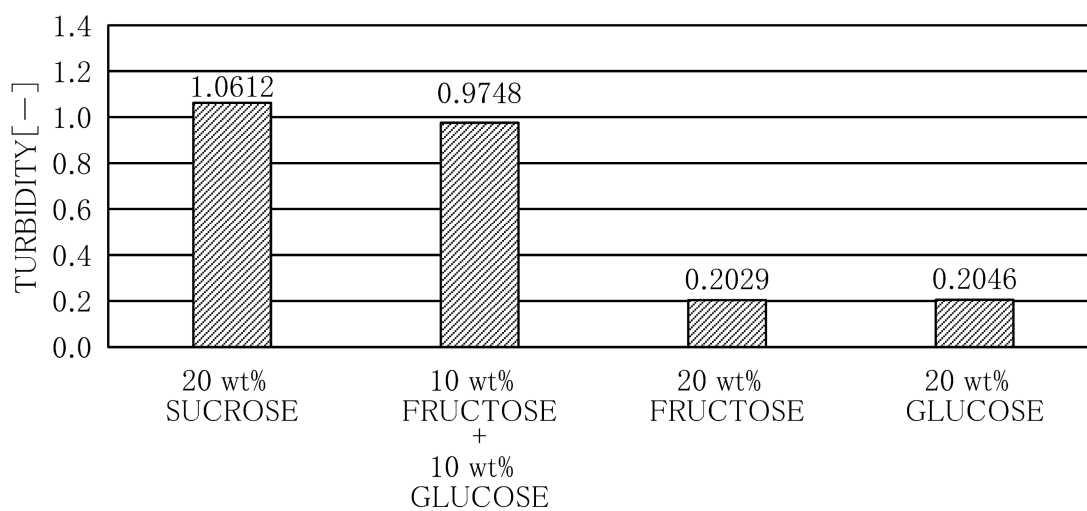


FIG.12

Accession	Description	Max Score	Per. Ident
LC096238.1	Lactobacillus parafarraginis gene for 16S ribosomal RNA, partial sequence, strain: JCM 14109	2187	93%
NR_113194.1	Lactobacillus ozensis DSM 23829 = JCM 17196 strain Mizu2-1 16S ribosomal RNA, partial sequence	2187	93%
HM596288.1	Lactobacillus parafarraginis strain F0439 16S ribosomal RNA gene, partial sequence	2187	93%
HM058034.1	Lactobacillus kefir strain MGB12-1 16S ribosomal RNA gene, partial sequence	2187	93%
AB262735.1	Lactobacillus parafarraginis gene for 16S rRNA, partial sequence, strain: NRIC 0680	2187	93%
NR_041468.1	Lactobacillus parafarraginis strain NRIC 0677 16S ribosomal RNA, partial sequence	2187	93%
HM218514.1	Lactobacillus pontis strain NM129-2 16S ribosomal RNA gene, partial sequence	2185	93%
HM218378.1	Lactobacillus kefir strain NM90-3 16S ribosomal RNA gene, partial sequence	2185	93%
HM057873.1	Lactobacillus kefir strain MGA17-5 16S ribosomal RNA gene, partial sequence	2185	93%
KF263157.1	Lactobacillus kefir strain KG-17 16S ribosomal RNA gene, partial sequence	2183	93%