



BIOBALL® FOOD LIST 2023 (available strains - from Issue 87)

*BIOBALL® LUMINATE 2.0 is a range of Genetically Modified Micro-Organisms (GMMs) and may need to comply with special regulatory requirements for a laboratory contained use in your country (e.g., European directive 2009/41/EC completed by national regulation). In this case, please, refer to your local competent authority to declare or obtain an agreement before use. BIOBALL® LUMINATE 2.0 are Certified Reference Materials manufactured under accreditation to ISO 17034.

Strains	BIOBALL®					WDCM	ISO 11133 /	Other collections corresponding strains
	LUMINATE 2.0	singleshot 30	550	10E8	10k		ISO specific standards	(BIOBALL® strain in bold)
	100cfu/10 vials	20 vials	20 vials/10 vials	10 vials	20 vials/10 vials			
Blank BIOBALL® (no microorganism)		56068						
<i>Aspergillus brasiliensis</i>		56022	56011/56001	410106	56049/413776	00053	√	NCPF 2275 , ATCC™ 16404, CIP1431.83, IMI149007, NBRC9455
<i>Bacillus cereus</i>		56023						NCTC 7464 , ATCC1™ 0876, NCIMB8579, NRRL569
<i>Bacillus subtilis subsp. spizizenii</i>		56024	56012/56002		56143/413777	00003	√	NCTC 10400 , ATCC6633, CIP52.62, NCIMB8054, NBRC3134
<i>Bacillus subtilis</i>				423596				NBRC 13722 , ATCC19659
<i>Candida albicans</i>		56026	56013/56003	56145	56050/413778	00054	√	NCPF 3179 , ATCC™ 10231, CIP48.72, NBRC1594,
<i>Citrobacter freundii</i>		56027						NCTC 9750 , ATCC™ 8090, DSM30039, NBRC12681, CIP57.32
<i>Clostridium perfringens</i>		56028			56051/413779			NCTC 8798
<i>Clostridium sporogenes</i>		56029	56014/56004					NCTC 12935 , ATCC™ 11437, NBRC14293, NCIMB12343, CIP100651, DSM 1446
<i>Cronobacter sakazakii</i>	423940					00214	√	ATCC™ 29544, CECT 858, CIP 103183, DSM 4485, NCTC 11467
<i>Klebsiella aerogenes</i> (Previously <i>Enterobacter aerogenes</i>)		56030			56052/56158	00175	√	NCTC 10006 , ATCC™ 13048, DSM 30053, CDC819-56
<i>Enterococcus faecalis</i>		56031	56015/56005			00087	√	ATCC™ 29212, BCRC 10789, CCM 4224, CECT 795, CIP 103214, DSM 2570, JCM 2875, LMG 8222, NBIMCC 3915, NCIMB(QC) 50112, NCTC 12697
<i>Enterococcus faecalis</i>		56032				00009	√	ATCC™ 19433, BCRC 10066, CCM 7000, CCUG 19916, CECT 481, CIP 103015, DSM 20478, FIRD 66, LMG 7937, NBIMCC 3360, NCFB 581, NCIMB 775, NCTC 775 , RIMD 3116001
<i>Escherichia coli</i>		56035	56016/56006	56146		00012	√	ATCC™ 8739, BCRC 11634, CCM 4517, CECT 516, CIP 53.126, DSM 1576, IFO 3972, IMET 11121, LMG 8063, NBIMCC 3397, NCDO 904, NCIMB 8545, NCTC 12923

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	LUMINATE 2.0*	singleshot 30	550	10E8	10k		ISO specific standards	(BIOBALL® strain in bold)
	100cfu/10 vials	20 vials	20 vials/10 vials	10 vials	20 vials/10 vials			
<i>Escherichia coli</i>		56034				00013	✓	ATCC™ 25922, BCRC 11509, CCM 3954, CECT 434, CGMCC 1.2385, CICC 10305, CIP 76.24, DSM 1103, LMG 8223, NBIMCC 3702, NCIMB 12210, NCTC 12241
<i>Escherichia coli</i>		56033			56053/56160	00090	✓	NCTC 9001 , ATCC™ 11775, DSM30083, CIP54.8
<i>Escherichia coli</i> O157:H7 (non-toxigenic, stx-)	423939					00014	✓	ATCC™ 700728, BDMS T4169, CCM 4787, CECT 4972, CICC 10907, CIP 110281, LMG 21756, NCIMB (QC) 50139, NCTC 12900
<i>Lactobacillus fermentum</i>					56054/			NCIMB 6991 , ATCC™ 9338
<i>Listeria innocua</i>	423942	56038				00017	✓	ATCC™ 33090, BCRC 14843, CCM 4030, CECT 910, CGMCC 1.7730, CICC 10297, CIP 80.11, CLIP 12511, DSM 20649, LMG 11387, NCTC 11288 , SLCC 3379
<i>Listeria monocytogenes</i>		56039				00019		NCTC 11994 , DSM 15675
<i>Listeria monocytogenes</i>	423941					00021	✓	NCTC 10527 , DSM 27575, ATCC™ 13932
<i>Pseudomonas aeruginosa</i>		56040	56017/56007	56147	56144/413831	00026	✓	NCTC 12924 , ATCC™ 9027, NCIMB8626, CIP82.118, NBRC13275
<i>Salmonella</i> Abaetetuba		56041						NCTC 8244 , CDC4905-51
<i>Salmonella</i> Abony		423616	423617/423619			00029		ACM 5080, NCTC6017 , NBRC100797, CIP80.39, DSM 4224
<i>Salmonella</i> Salford		56043						IMVS 1710
<i>Salmonella</i> Typhimurium	423938	56044				00031	✓	ATCC™ 14028, BCRC 10747, CCM 7205, CCRC 10747, CDC 6516-60, CECT 4594, CGMCC 1.1859, CIP 104115, DSM 19587, LMG 14933, NBIMCC 3669, NCIMB 13284, NCTC 12023
<i>Staphylococcus aureus</i>		56045	56019/56009	56148	56055/56159	00032	✓	ATCC™ 6538, BCRC 12154, CCM 4516, CCTM 2103, CCUG 10778, CCUG 1623, CECT 239, CGMCC 1.2465, CICC 10306, CIP 4.83, CNCTC Mau 29/58, DSM 799, FIRDI 941, HMGB B865, IEM Mau 29/58, IFO 13276, IMET 10761, LMG 8064, NBIMCC 3359, NCIMB 9518, NCTC 10788
<i>Staphylococcus epidermidis</i>		56092						NCTC 6513



Consult us for more details and availabilities

14 Day Re-Hydration Fluid	1,1 ml x 20 vials	410386
Re-Hydration Fluid (8 hours)	1,1 ml x 20 vials	56021

API NaCl 0,85 % Medium	2 ml x100 vials	20070
API NaCl 0,85 % Medium	3 ml x100 vials	20040

API NaCl 0,85 % Medium	5 ml x100 vials	20230
Peptone Salt Broth	9mL x100 tubes	AEB111499