



BIOBALL® FOOD LIST 2024 (available strains - from Issue 88)

*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 spizizenii</i> (previously <i>Bacillus subtilis</i> subsp. <i>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 | | | 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 | 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, FIRDI 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 |

| 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 | | | |
| <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 paraeruginosa</i> (previously <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

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

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

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