



Strain identifier

BacDive ID: 6354 **DOI:** 10.13145/bacdive6354.20190402.4
Type strain: yes **Designation:** VPI C8-13
Culture col. no.: DSM 3992, ATCC 27755, JCM 10342, KCTC 15690

Sections

- [Name and taxonomic classification](#)
- [Morphology and physiology](#)
- [Culture and growth conditions](#)
- [Isolation, sampling and environmental information](#)
- [Application and interaction](#)
- [Molecular biology](#)
- [Strain availability](#)
- [References](#)

Name and taxonomic classification

| | | |
|----------------------------|-----------------------------|---|
| Ref.: 1562 | Domain | Bacteria |
| Ref.: 1562 | Phylum | Firmicutes |
| Ref.: 1562 | Class | Clostridia |
| Ref.: 1562 | Order | Clostridiales |
| Ref.: 1562 | Family | Lachnospiraceae |
| Ref.: 1562 | Genus | Dorea |
| Ref.: 1562 | Species | Dorea formicigenerans |
| Ref.: 1562 | Full Scientific Name | Dorea formicigenerans (Holdeman and Moore 1974) Taras et al. 2002 |
| Ref.: 1562 | Designation: | VPI C8-13 |
| Ref.: 1562 | Type strain: | yes |

Prokaryotic Nomenclature Up-to-date (PNU)

| | | |
|-----------------------------|----------------------|---------------------------------------|
| Ref.: 20215 | Domain | Bacteria |
| Ref.: 20215 | Phylum | Firmicutes |
| Ref.: 20215 | Class | Clostridia |
| Ref.: 20215 | Literature reference | Int. J. Syst. Evol. Microbiol. 60:469 |
| Ref.: 20215 | Family | Lachnospiraceae |
| Ref.: 20215 | Literature reference | Int. J. Syst. Evol. Microbiol. 60:470 |
| Ref.: 20215 | Genus | Dorea |



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|-------------|-----------------------------|---|
| Ref.: 20215 | Taxonomical status | gen. nov. (VP) |
| Ref.: 20215 | Literature reference | Int. J. Syst. Evol. Microbiol. 52:423* |
| Ref.: 20215 | Species | Dorea formicigenerans |
| Ref.: 20215 | Taxonomical status | comb. nov. (VP) |
| Ref.: 20215 | Literature reference | Int. J. Syst. Evol. Microbiol. 52:423* |
| Ref.: 20215 | Full Scientific Name | Dorea formicigenerans (Holdeman and Moore 1974) Taras et al. 2002 |
| Ref.: 20215 | Synonym | Eubacterium formicigenerans |

Morphology and physiology

Ref.: 1562

API rID32A

| API ID | 3238 |
|-----------|------|
| URE | - |
| ADH (Arg) | - |
| alphaGAL | - |
| betaGAL | + |
| betaGP | - |
| alphaGLU | + |
| betaGLU | - |
| alphaARA | - |
| betaGUR | - |
| betaNAG | - |
| MNE | - |
| RAF | - |
| GDC | - |
| alphaFUC | - |
| NIT | - |
| IND | - |
| PAL | - |
| ArgA | - |
| ProA | - |
| LGA | - |
| PheA | - |
| LeuA | - |
| PyrA | - |
| TyrA | - |
| AlaA | - |

| | |
|------|---|
| GlyA | - |
| HisA | - |
| GGA | - |
| SerA | - |

Ref.: 1562 **Oxygen tolerance** anaerobe

Culture and growth conditions

Ref.: 1562 **Culture medium** CHOPPED MEAT MEDIUM (DSMZ Medium 78), 37°C, with 1% glucose, anaerobic

Ref.: 1562 **Culture medium growth** yes

Ref.: 1562 **Culture medium link** https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium78.pdf

| Ref.: 1562 | Temperatures | Kind of temperature | Temperature |
|------------|---------------------|---------------------|-------------|
| | | growth | 37 °C |

Ref.: 1562 **Temperature range** mesophilic

Isolation, sampling and environmental information

Ref.: 1562 **Sample type/isolated from** human faeces

Isolation sources categories

| Cat1 | Cat2 | Cat3 |
|--------------------|-------------------------|----------------|
| #Host | #Human | - |
| #Host Body Product | #Gastrointestinal tract | #Feces (Stool) |

Application and interaction

Ref.: 1562 **Biosafety level** 1 Risk group (German classification)

Molecular biology

| | Sequence database | Sequence accession description | Sequence accession number | Sequence length(bp) | Associated NCBI tax ID |
|-------------|---|---|---------------------------|---------------------|------------------------|
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont27.1, whole genome shotgun sequence | AAXA02000001 | 11599 | 411461 |



Dorea formicigenerans

| | | | | | | |
|-------------|---|---|--------------|--------|--------|---|
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont21.1, whole genome shotgun sequence | AAXA02000002 | 27753 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont39, whole genome shotgun sequence | AAXA02000003 | 68009 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont17.1, whole genome shotgun sequence | AAXA02000004 | 40801 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont15.1, whole genome shotgun sequence | AAXA02000005 | 50427 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont394, whole genome shotgun sequence | AAXA02000006 | 106634 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont393, whole genome shotgun sequence | AAXA02000007 | 99643 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont395, whole genome shotgun sequence | AAXA02000008 | 93858 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont328, whole genome shotgun sequence | AAXA02000009 | 212918 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont150, whole genome shotgun sequence | AAXA02000010 | 230467 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont326, whole genome shotgun sequence | AAXA02000011 | 207272 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont36, whole genome shotgun sequence | AAXA02000012 | 189117 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont327, whole genome shotgun sequence | AAXA02000013 | 318591 | 411461 | * |



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|-----------------------------|---|--|--------------|--------|--------|---|
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont390, whole genome shotgun sequence | AAXA02000014 | 372750 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont399, whole genome shotgun sequence | AAXA02000015 | 957115 | 411461 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Dorea formicigenerans ATCC 27755 D_formicigenerans-3.0 .1_Cont400, whole genome shotgun sequence | AAXA02000016 | 199077 | 411461 | * |
| Ref.: 20218 | INSDC Sequence | Dorea formicigenerans strain ATCC 27755 16S ribosomal RNA gene, partial sequence | L34619 | 1479 | 39486 | * |

Strain availability

[Ref.: 1562](#) **Culture collection no.** DSM 3992, ATCC 27755, JCM 10342, KCTC 15690

[Ref.: 1562](#) **Strain history** <- ATCC <- L.V. Holdeman, VPI C8-13

Associated Passport(s) in StrainInfo

[Ref.: 20218](#) 158614 - <http://www.straininfo.net/strains/158614>

[Ref.: 20218](#) 105931 - <http://www.straininfo.net/strains/105931>

[Ref.: 20218](#) 158615 - <http://www.straininfo.net/strains/158615>

References

[Ref.: 1562](#) Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 3992

[Ref.: 20215](#) D.Gleim, M.Kracht, N.Weiss et. al.: Prokaryotic Nomenclature Up-to-date - compilation of all names of Bacteria and Archaea, validly published according to the Bacteriological Code since 1. Jan. 1980, and validly published nomenclatural changes since.

[Ref.: 20218](#) Verslyppe, B., De Smet, W., De Baets, B., De Vos, P., Dawyndt P. StrainInfo introduces electronic passports for microorganisms.. Syst Appl Microbiol. 37: 42-50 2014 (10.1016/j.syapm.2013.11.002, 24321274)

* **These References are textmined**

[back to top](#)