

### Strain identifier

<b>BacDive ID:</b>	2586	<b>DOI:</b>	10.13145/bacdive2586.20190402.4
<b>Type strain:</b>	yes	<b>Designation:</b>	541
<b>Culture col. no.:</b>	DSM 794, ATCC 17788, NCIMB 10690		

### Sections

[Name and taxonomic classification](#)

[Morphology and physiology](#)

[Culture and growth conditions](#)

[Application and interaction](#)

[Molecular biology](#)

[Strain availability](#)

[References](#)

### Name and taxonomic classification

Ref.: 451	<b>Domain</b>	Bacteria
Ref.: 451	<b>Phylum</b>	Firmicutes
Ref.: 451	<b>Class</b>	Clostridia
Ref.: 451	<b>Order</b>	Clostridiales
Ref.: 451	<b>Family</b>	Clostridiaceae
Ref.: 451	<b>Genus</b>	Clostridium
Ref.: 451	<b>Species</b>	Clostridium felsineum
Ref.: 451	<b>Full Scientific Name</b>	Clostridium felsineum (Carbone and Tombolato 1917) Bergey et al. 1939
Ref.: 451	<b>Designation:</b>	541
Ref.: 451	<b>Type strain:</b>	yes

#### **Prokaryotic Nomenclature Up-to-date (PNU)**

Ref.: 20215	<b>Domain</b>	Bacteria
Ref.: 20215	<b>Phylum</b>	Firmicutes
Ref.: 20215	<b>Class</b>	Clostridia
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 60:469
Ref.: 20215	<b>Family</b>	Clostridiaceae
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:235
Ref.: 20215	<b>Genus</b>	Clostridium
Ref.: 20215	Taxonomical status	genus (AL)

Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	<b>Species</b>	Clostridium felsineum
Ref.: 20215	Taxonomical status	comb. nov. (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	<b>Full Scientific Name</b>	Clostridium felsineum (Carbone and Tombolato 1917) Bergey et al. 1939

### Morphology and physiology

Ref.: 451	<b>Oxygen tolerance</b>	anaerobe
-----------	-------------------------	----------

### Culture and growth conditions

Ref.: 451	<b>Culture medium</b>	CLOSTRIDIUM ACETOBUTYLICUM MEDIUM (DSMZ Medium 411), 37°C, anaerobic
Ref.: 451	<b>Culture medium growth</b>	yes
Ref.: 451	<b>Culture medium link</b>	<a href="https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium411.pdf">https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium411.pdf</a>

Ref.: 451	<b>Temperatures</b>	<b>Kind of temperature</b>	<b>Temperature</b>
		growth	37 °C

Ref.: 451	<b>Temperature range</b>	mesophilic
-----------	--------------------------	------------

### Application and interaction

Ref.: 451	<b>Biosafety level</b>	1 Risk group (German classification)
-----------	------------------------	--------------------------------------

### Molecular biology

Ref.: 451	<b>GC-content</b>	26.0 mol%
Ref.: 451	<b>GC-content</b>	28.0-29.0 mol%

	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID
Ref.: 20218	Marker Gene (GenBank Direct submission)	Clostridium felsineum strain DSM 794 recombinase A (recA) gene, partial cds	HQ433357	605	36839



<a href="#">Ref.: 20218</a>	Marker Gene (GenBank Direct submission)	Clostridium felsineum strain DSM 794 DNA gyrase subunit A (gyrA) gene, partial cds	HQ433360	596	36839	*
<a href="#">Ref.: 20218</a>	Marker Gene (GenBank Direct submission)	Clostridium felsineum strain DSM794 FeFe-hydrogenase (hydA) gene, partial cds	JF720844	683	36839	*
<a href="#">Ref.: 20218</a>	Marker Gene (GenBank Direct submission)	Clostridium felsineum strain DSM794 FeFe-hydrogenase group B2 (hyd) gene, partial cds	JF720845	482	36839	*
<a href="#">Ref.: 20218</a>	Marker Gene (EMBL Direct submission)	Clostridium felsineum 16S rRNA gene, strain DSM 794	X77851	1501	36839	*
<a href="#">Ref.: 451</a>	GenBank Direct submission		AF270502			

## Strain availability

[Ref.: 451](#)      **Culture collection no.**      DSM 794, ATCC 17788, NCIMB 10690

[Ref.: 451](#)      **Strain history**      <- ATCC <- L. S. McClung, University of California, San Francisco, USA; 541

### **Associated Passport(s) in StrainInfo**

[Ref.: 20218](#)      45157 - <http://www.straininfo.net/strains/45157>

[Ref.: 20218](#)      99409 - <http://www.straininfo.net/strains/99409>

[Ref.: 20218](#)      156995 - <http://www.straininfo.net/strains/156995>

## References

[Ref.: 451](#)      Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 794

[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](#)