

### Strain identifier

**BacDive ID:** 14124      **DOI:** 10.13145/bacdive14124.20190402.4  
**Type strain:** yes      **Designation:** KS 0470  
**Culture col. no.:** DSM 11690, CIP 104193, IFO 15299, NBRC 15299

### Sections

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### Name and taxonomic classification

Ref.: 4443	<b>Domain</b>	Bacteria
Ref.: 4443	<b>Phylum</b>	Bacteroidetes
Ref.: 4443	<b>Class</b>	Sphingobacteriia
Ref.: 4443	<b>Order</b>	Sphingobacteriales
Ref.: 4443	<b>Family</b>	Sphingobacteriaceae
Ref.: 4443	<b>Genus</b>	Sphingobacterium
Ref.: 4443	<b>Species</b>	Sphingobacterium faecium
Ref.: 4443	<b>Full Scientific Name</b>	Sphingobacterium faecium Takeuchi and Yokota 1993
Ref.: 4443	<b>Designation:</b>	KS 0470
Ref.: 4443	<b>Type strain:</b>	yes

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

Ref.: 20215	<b>Domain</b>	Bacteria
Ref.: 20215	<b>Phylum</b>	Bacteroidetes
Ref.: 20215	<b>Class</b>	Sphingobacteriia
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 62:2
Ref.: 20215	<b>Family</b>	Sphingobacteriaceae
Ref.: 20215	<b>Genus</b>	Sphingobacterium
Ref.: 20215	Taxonomical status	gen. nov. (VP)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 33:580*



Ref.: 20215	<b>Species</b>	Sphingobacterium faecium
Ref.: 20215	Taxonomical status	sp. nov. (VL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 43:864
Ref.: 20215	<b>Full Scientific Name</b>	Sphingobacterium faecium Takeuchi and Yokota 1993

## Culture and growth conditions

Ref.: 4443	<b>Culture medium</b>	NUTRIENT AGAR (DSMZ Medium 1), 28°C
Ref.: 4443	<b>Culture medium growth</b>	yes
Ref.: 4443	<b>Culture medium link</b>	<a href="https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium1.pdf">https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium1.pdf</a>

Ref.: 40327	<b>Culture medium</b>	MEDIUM 3 - Columbia agar
Ref.: 40327	<b>Culture medium growth</b>	yes
Ref.: 40327	<b>Culture medium composition</b>	Columbia agar (39.000 g);distilled water (1000.000 ml)

	<b>Temperatures</b>	<table border="1"><thead><tr><th>Kind of temperature</th><th>Temperature</th></tr></thead><tbody><tr><td>Ref.: 4443</td><td>growth</td><td>28 °C</td></tr><tr><td>Ref.: 40327</td><td>growth</td><td>30 °C</td></tr></tbody></table>	Kind of temperature	Temperature	Ref.: 4443	growth	28 °C	Ref.: 40327	growth	30 °C
Kind of temperature	Temperature									
Ref.: 4443	growth	28 °C								
Ref.: 40327	growth	30 °C								

Ref.: 4443	<b>Temperature range</b>	mesophilic
Ref.: 40327	<b>Temperature range</b>	mesophilic

## Isolation, sampling and environmental information

Ref.: 4443	<b>Sample type/isolated from</b>	feces of Bos sprunigenius taurus
Ref.: 4443	<b>Host species</b>	Bos sprunigenius taurus

### **Isolation sources categories**

Cat1	Cat2	Cat3
#Host	#Mammals	#Bovinae (Cow, Cattle)
#Host Body Product	#Gastrointestinal tract	#Feces (Stool)

## Application and interaction

Ref.: 4443	<b>Biosafety level</b>	1 Risk group (German classification)
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## Molecular biology



	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID
<a href="#">Ref.: 20218</a>	Marker Gene (EMBL Direct submission)	Sphingobacterium faecium partial groEL gene for 60 kDa chaperonin, type strain DSM 11690T	FN985021	562	34087
<a href="#">Ref.: 20218</a>	Marker Gene (DDBJ Direct submission)	Sphingobacterium faecium gene for 16S rRNA, partial sequence, strain: NBRC 15299	AB680829	1455	34087
<a href="#">Ref.: 4443</a>	EMBL Direct submission		AJ438176		

**Strain availability**

[Ref.: 4443](#)      **Culture collection no.**      DSM 11690, CIP 104193, IFO 15299, NBRC 15299

[Ref.: 4443](#)      **Strain history**      <- IFO <- IAM; KS 0470 (*Sphingobacterium* sp.)

**Associated Passport(s) in StrainInfo**

[Ref.: 20218](#)      278366 - <http://www.straininfo.net/strains/278366>

[Ref.: 20218](#)      40248 - <http://www.straininfo.net/strains/40248>

[Ref.: 20218](#)      40249 - <http://www.straininfo.net/strains/40249>

[Ref.: 20218](#)      487927 - <http://www.straininfo.net/strains/487927>

**References**

[Ref.: 4443](#)      Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 11690

[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)

[Ref.: 40327](#)      None; Curators of the CIP; None

**\* These References are textmined**

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