



## Strain identifier

**BacDive ID:** 14229      **DOI:** 10.13145/bacdive14229.20191129.4.1  
**Type strain:** yes      **Designation:** EDIV  
**Culture col. no.:** DSM 13101, CIP 106154

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## Name and taxonomic classification

<a href="#">Ref.: 4905</a>	<b>Domain</b>	Bacteria
<a href="#">Ref.: 4905</a>	<b>Phylum</b>	Proteobacteria
<a href="#">Ref.: 4905</a>	<b>Class</b>	Alphaproteobacteria
<a href="#">Ref.: 4905</a>	<b>Order</b>	Sphingomonadales
<a href="#">Ref.: 4905</a>	<b>Family</b>	Sphingomonadaceae
<a href="#">Ref.: 4905</a>	<b>Genus</b>	Sphingomonas
<a href="#">Ref.: 4905</a>	<b>Species</b>	Sphingomonas pituitosa
<a href="#">Ref.: 4905</a>	<b>Full Scientific Name</b>	Sphingomonas pituitosa Denner et al. 2001
<a href="#">Ref.: 4905</a>	<b>Designation:</b>	EDIV
<a href="#">Ref.: 4905</a>	<b>Type strain:</b>	yes

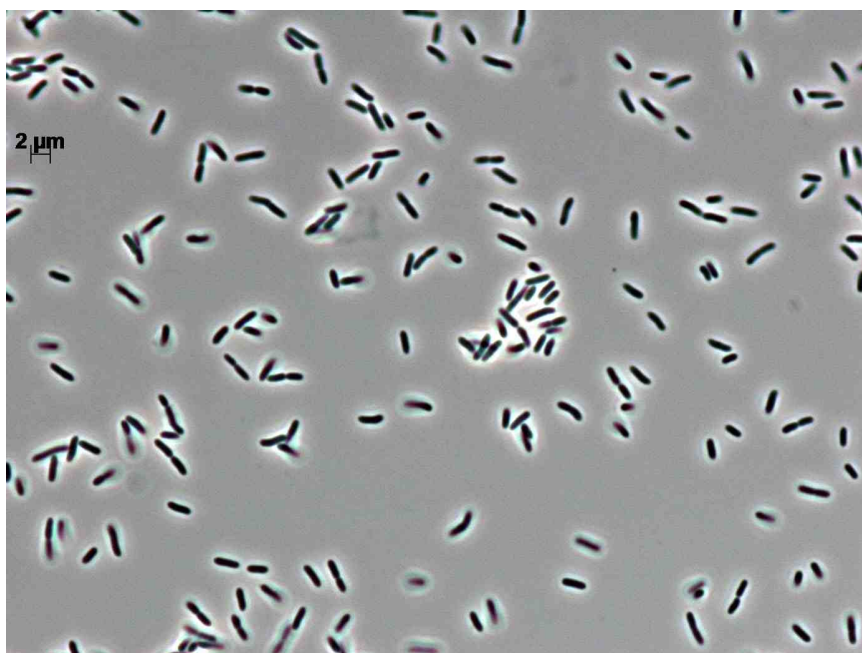
### **Prokaryotic Nomenclature Up-to-date (PNU)**

<a href="#">Ref.: 20215</a>	<b>Domain</b>	Bacteria
<a href="#">Ref.: 20215</a>	<b>Phylum</b>	Proteobacteria
<a href="#">Ref.: 20215</a>	<b>Class</b>	Alphaproteobacteria
<a href="#">Ref.: 20215</a>	Literature reference	Int. J. Syst. Evol. Microbiol. 56:1
<a href="#">Ref.: 20215</a>	<b>Family</b>	Sphingomonadaceae
<a href="#">Ref.: 20215</a>	Literature reference	Int. J. Syst. Evol. Microbiol. 50:1953
<a href="#">Ref.: 20215</a>	<b>Genus</b>	Sphingomonas

Ref.: 20215	Taxonomical status	gen. nov. (VL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 40:320
Ref.: 20215	<b>Species</b>	Sphingomonas pituitosa
Ref.: 20215	Taxonomical status	sp. nov. (VP)
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 51:827*
Ref.: 20215	<b>Full Scientific Name</b>	Sphingomonas pituitosa Denner et al. 2001

## Morphology and physiology

Ref.: 4905 **Multimedia content**



Ref.: 4905 **Caption** cells

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## Culture and growth conditions

Ref.: 4905 **Culture medium** NUTRIENT AGAR (DSMZ Medium 1), 30°C

Ref.: 4905 **Culture medium growth** yes

Ref.: 4905 **Culture medium link** [https://www.dsmz.de/microorganisms/medium/pdf/DSMZ\\_Medium1.pdf](https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium1.pdf)

Ref.: 37285 **Culture medium** MEDIUM 3 - Columbia agar

Ref.: 37285 **Culture medium growth** yes



Ref.: 37285 **Culture medium composition** Columbia agar (39.000 g);distilled water (1000.000 ml)

	<b>Temperatures</b>	<b>Kind of temperature</b>	<b>Temperature</b>
Ref.: 4905		growth	30 °C
Ref.: 37285		growth	30 °C

Ref.: 4905 **Temperature range** mesophilic

Ref.: 37285 **Temperature range** mesophilic

**Isolation, sampling and environmental information**

Ref.: 4905 **Sample type/isolated from** water (eutrophic artificial spring)

Ref.: 4905 **Geographic location (country and/or sea, region)** Vienna

Ref.: 4905 **Country** Austria

Ref.: 4905 **Continent** Europe

<b>Isolation sources categories</b>	<b>Cat1</b>	<b>Cat2</b>	<b>Cat3</b>
	#Environmental	#Aquatic	#Spring

**Application and interaction**

Ref.: 4905 **Biosafety level** 1 Risk group (German classification)

**Molecular biology**

Ref.: 4905 **GC-content** 64.5 mol%

	<b>Sequence database</b>	<b>Sequence accession description</b>	<b>Sequence accession number</b>	<b>Sequence length(bp)</b>	<b>Associated NCBI tax ID</b>
Ref.: 4905	Marker Gene (EMBL Direct submission)	Sphingomonas pituitosa partial 16S rRNA gene, strain EDIV	AJ243751	1446	99597

**Strain availability**

Ref.: 4905 **Culture collection no.** DSM 13101, CIP 106154



<a href="#">Ref.: 4905</a>	<b>Strain history</b>	<- E. B. M. Denner; EDIV
<a href="#">Ref.: 37285</a>	<b>Strain history</b>	1999, E.B.M. Denner, Inst. Mikrob. Gen., Vienna, Austria: strain EDIV

**Associated Passport(s) in StrainInfo**

<a href="#">Ref.: 20218</a>	303830 - <a href="http://www.straininfo.net/strains/303830">http://www.straininfo.net/strains/303830</a>
<a href="#">Ref.: 20218</a>	303829 - <a href="http://www.straininfo.net/strains/303829">http://www.straininfo.net/strains/303829</a>

**References**

<a href="#">Ref.: 4905</a>	Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 13101
<a href="#">Ref.: 20215</a>	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.
<a href="#">Ref.: 20218</a>	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)
<a href="#">Ref.: 37285</a>	None; Curators of the CIP; None

**\* These References are textmined**

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