

Strain identifier

BacDive ID: 4908 **DOI:** 10.13145/bacdive4908.20170829.2
Type strain: no **Designation:** 99-4
Culture col. no.: DSM 46219, ATCC 14561, IMET 10736

Sections

[Name and taxonomic classification](#)
[Morphology and physiology](#)
[Culture and growth conditions](#)
[Application and interaction](#)
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Name and taxonomic classification

Ref.: 12486	Domain	Bacteria
Ref.: 12486	Phylum	Proteobacteria
Ref.: 12486	Class	Gammaproteobacteria
Ref.: 12486	Order	Enterobacteriales, not validated
Ref.: 12486	Family	Enterobacteriaceae
Ref.: 12486	Genus	Escherichia
Ref.: 12486	Species	Escherichia coli
Ref.: 12486	Full Scientific Name	Escherichia coli (Migula 1895) Castellani and Chalmers 1919
Ref.: 12486	Designation:	99-4
Ref.: 12486	Type strain:	no

Prokaryotic Nomenclature Up-to-date (PNU)

Ref.: 20215	Domain	Bacteria
Ref.: 20215	Phylum	Proteobacteria
Ref.: 20215	Class	Gammaproteobacteria
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 55:2236
Ref.: 20215	Family	Enterobacteriaceae
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:236
Ref.: 20215	Genus	Escherichia
Ref.: 20215	Taxonomical status	genus (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:295 AL
Ref.: 20215	Species	Escherichia coli

Ref.: 20215	Taxonomical status	species (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:296 AL
Ref.: 20215	Full Scientific Name	<i>Escherichia coli</i> (Migula 1895) Castellani and Chalmers 1919

Morphology and physiology

Ref.: 12486

API 20E

API ID	2837
ONPG	+
ADH (Arg)	-
LDC (Lys)	+
ODC	+
CIT	-
H ₂ S	-
URE	-
TDA (Trp)	-
IND	+
VP	-
GEL	-
GLU	+
MAN	+
INO	-
Sor	+
RHA	+
SAC	+
MEL	+
AMY	-
ARA	+
OX	-
NO ₂	n.d.
N ₂	+
MOB	n.d.
MAC	n.d.
OF-O	n.d.
OF-F	n.d.

Culture and growth conditions

Ref.: 12486	Culture medium	NUTRIENT AGAR (DSMZ Medium 1), 37°C				
Ref.: 12486	Culture medium growth	yes				
Ref.: 12486	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium1.pdf				
Ref.: 12486	Culture medium composition	Peptone 5.0 g Meat extract 3.0 g Agar, if necessary 15.0 g Distilled water 1000.0 ml Adjust pH to 7.0. For Bacillus strains the addition of 10.0 mg MnSO ₄ x H ₂ O is recommended for sporulation.				
Ref.: 12486	Culture medium	LB (Luria-Bertani) MEDIUM (DSMZ Medium 381), 37°C				
Ref.: 12486	Culture medium growth	yes				
Ref.: 12486	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium381.pdf				
Ref.: 12486	Culture medium composition	Tryptone 10.0 g Yeast extract 5.0 g NaCl 10.0 g Distilled water 1000.0 ml Adjust pH to 7.0.				
	Temperatures	<table border="1"> <thead> <tr> <th>Kind of temperature</th> <th>Temperature</th> </tr> </thead> <tbody> <tr> <td>optimum</td> <td>37 °C</td> </tr> </tbody> </table>	Kind of temperature	Temperature	optimum	37 °C
Kind of temperature	Temperature					
optimum	37 °C					
Ref.: 12486						
Ref.: 12486	Temperature range	mesophilic				

Application and interaction

Ref.: 12486	Biosafety level	1 Risk group (German classification)
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Strain availability

Ref.: 12486	Culture collection no.	DSM 46219, ATCC 14561, IMET 10736
Ref.: 12486	Strain history	<- IMET <- Jenapharm (ATCC 14561)

Associated Passport(s) in StrainInfo

Ref.: 20218	170150 - http://www.straininfo.net/strains/170150
Ref.: 20218	97654 - http://www.straininfo.net/strains/97654
Ref.: 20218	170151 - http://www.straininfo.net/strains/170151

References

Ref.: 12486	Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 46219
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[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**

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