

Strain identifier

BacDive ID: 4311 **DOI:** 10.13145/bacdive4311.20190402.4
Type strain: yes **Designation:** CUETM 77.167
Culture col. no.: DSM 4586, ATCC 33320, CIP 80.31, Gavini-F-44, CCUG 11756, CIP 80-31

Sections

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Name and taxonomic classification

Ref.: 1781	Domain	Bacteria
Ref.: 1781	Phylum	Proteobacteria
Ref.: 1781	Class	Gammaproteobacteria
Ref.: 1781	Order	Enterobacteriales, not validated
Ref.: 1781	Family	Enterobacteriaceae
Ref.: 1781	Genus	<i>Buttiauxella</i>
Ref.: 1781	Species	<i>Buttiauxella agrestis</i>
Ref.: 1781	Full Scientific Name	<i>Buttiauxella agrestis</i> Ferragut et al. 1982 emend. Müller et al. 1996
Ref.: 1781	Designation:	CUETM 77.167
Ref.: 1781	Type strain:	yes

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	<i>Buttiauxella</i>

Ref.: 20215	Taxonomical status	gen. nov. (VL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 32:266
Ref.: 20215	Species	Buttiauxella agrestis
Ref.: 20215	Taxonomical status	sp. nov. (VL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 32:266
Ref.: 20215	Full Scientific Name	Buttiauxella agrestis Ferragut et al. 1982 emend. Müller et al. 1996

Morphology and physiology

Ref.: 1781

API 20E

API ID	4230
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	n.d.
MOB	n.d.
MAC	n.d.
OF-O	n.d.
OF-F	n.d.

Culture and growth conditions

Ref.: 1781	Culture medium	NUTRIENT AGAR (DSMZ Medium 1), 30°C						
Ref.: 1781	Culture medium growth	yes						
Ref.: 1781	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium1.pdf						
Ref.: 1781	Culture medium	TRYPTICASE SOY BROTH AGAR (DSMZ Medium 535), 30°C						
Ref.: 1781	Culture medium growth	yes						
Ref.: 1781	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium535.pdf						
Ref.: 38575	Culture medium	MEDIUM 3 - Columbia agar						
Ref.: 38575	Culture medium growth	yes						
Ref.: 38575	Culture medium composition	Columbia agar (39.000 g);distilled water (1000.000 ml)						
	Temperatures	<table border="1"> <thead> <tr> <th>Kind of temperature</th> <th>Temperature</th> </tr> </thead> <tbody> <tr> <td>growth</td> <td>30 °C</td> </tr> <tr> <td>growth</td> <td>30 °C</td> </tr> </tbody> </table>	Kind of temperature	Temperature	growth	30 °C	growth	30 °C
Kind of temperature	Temperature							
growth	30 °C							
growth	30 °C							
Ref.: 1781								
Ref.: 38575								
Ref.: 1781	Temperature range	mesophilic						
Ref.: 38575	Temperature range	mesophilic						

Isolation, sampling and environmental information

Ref.: 1781	Sample type/isolated from	soil						
	Isolation sources categories	<table border="1"> <thead> <tr> <th>Cat1</th> <th>Cat2</th> <th>Cat3</th> </tr> </thead> <tbody> <tr> <td>#Environmental</td> <td>#Terrestrial</td> <td>#Soil</td> </tr> </tbody> </table>	Cat1	Cat2	Cat3	#Environmental	#Terrestrial	#Soil
Cat1	Cat2	Cat3						
#Environmental	#Terrestrial	#Soil						

Application and interaction

Ref.: 1781	Biosafety level	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	
Ref.: 20218	Marker Gene (EMBL Direct submission)	Buttiauxella agrestis 16S rRNA gene, strain CDC 1176-81T (ATCC 33320T)	AJ293685	1450	1006004	*
Ref.: 20218	Marker Gene (EMBL Direct submission)	Sequence 1646 from Patent WO0123604	AX110913	806	82977	*
Ref.: 20218	Marker Gene (EMBL Direct submission)	Sequence 1824 from Patent WO0123604	AX111091	107	82977	*
Ref.: 20218	Marker Gene (EMBL Direct submission)	Sequence 1834 from Patent WO0123604	AX111101	73	82977	*
Ref.: 20218	Marker Gene (EMBL Direct submission)	Sequence 1838 from Patent WO0123604	AX111105	1116	82977	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	Buttiauxella agrestis isolate v8608 60 kDa chaperonin (cpn60) gene, partial cds	EU790566	555	1006004	*
Ref.: 20218	Marker Gene (EMBL Direct submission)	JP 2003511015-A/1646: HIGHLY CONSERVED GENES AND THEIR USE TO GENERATE SPECIES-SPECIFIC, GENUS-SPECIFIC, FAMILY-SPECIFIC, GROUP-SPECIFIC AND UNIVERSAL NUCLEIC ACID PROBES AND AMPLIFICATION PRIMERS TO RAPIDLY DETECT AND IDENTIFY ALGAL, ARCHAEAL, BACTERIAL, FUNGAL AND PARASITICAL MICROORGANISMS FROM CLINICAL SPECIMENS FOR DIAGNOSIS	HV224644	806	1006004	*



Ref.: 20218	Marker Gene (EMBL Direct submission)	JP 2003511015-A/1824: HIGHLY CONSERVED GENES AND THEIR USE TO GENERATE SPECIES-SPECIFIC, GENUS-SPECIFIC, FAMILY-SPECIFIC, GROUP-SPECIFIC AND UNIVERSAL NUCLEIC ACID PROBES AND AMPLIFICATION PRIMERS TO RAPIDLY DETECT AND IDENTIFY ALGAL, ARCHAEAL, BACTERIAL, FUNGAL AND PARASITICAL MICROORGANISMS FROM CLINICAL SPECIMENS FOR DIAGNOSIS	HV224822	107	1006004	*
Ref.: 20218	Marker Gene (EMBL Direct submission)	JP 2003511015-A/1834: HIGHLY CONSERVED GENES AND THEIR USE TO GENERATE SPECIES-SPECIFIC, GENUS-SPECIFIC, FAMILY-SPECIFIC, GROUP-SPECIFIC AND UNIVERSAL NUCLEIC ACID PROBES AND AMPLIFICATION PRIMERS TO RAPIDLY DETECT AND IDENTIFY ALGAL, ARCHAEAL, BACTERIAL, FUNGAL AND PARASITICAL MICROORGANISMS FROM CLINICAL SPECIMENS FOR DIAGNOSIS	HV224832	73	1006004	*



Ref.: 20218	Marker Gene (EMBL Direct submission)	JP 2003511015-A/1838: HIGHLY CONSERVED GENES AND THEIR USE TO GENERATE SPECIES-SPECIFIC, GENUS-SPECIFIC, FAMILY-SPECIFIC, GROUP-SPECIFIC AND UNIVERSAL NUCLEIC ACID PROBES AND AMPLIFICATION PRIMERS TO RAPIDLY DETECT AND IDENTIFY ALGAL, ARCHAEL, BACTERIAL, FUNGAL AND PARASITICAL MICROORGANISMS FROM CLINICAL SPECIMENS FOR DIAGNOSIS	HV224836	1116	1006004	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	Buttiauxella agrestis strain CIP 80.31 elongation factor EF-G (fusA) gene, partial cds	EU010014	633	1006004	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	Buttiauxella agrestis strain CIP 80.31 leucine tRNA synthetase (leuS) gene, partial cds	EU010041	642	1006004	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	Buttiauxella agrestis strain CIP 80.31 CTP synthetase (pyrG) gene, partial cds	EU010068	306	1006004	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	Buttiauxella agrestis strain CIP 80.31 RNA polymerase beta subunit (rpoB) gene, partial cds	EU010095	501	1006004	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	Buttiauxella agrestis strain CUETM 77-167 gyrase B (gyrB) gene, partial cds	AY370831	506	1006004	*
Ref.: 20218	Marker Gene (EMBL Direct submission)	Buttiauxella agrestis 16S rRNA gene (strain DSM 4586)	AJ233400	1504	1006004	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	Buttiauxella agrestis strain DSM 4586 origin of replication oriC, complete sequence	DQ227459	290	1006004	*

Strain availability

Ref.: 1781 **Culture collection no.** DSM 4586, ATCC 33320, CIP 80.31, Gavini-F-44, CCUG 11756, CIP 80-31

Ref.: 1781 **Strain history** <- CIP <- H. Leclerc, CUETM; 77.167

Associated Passport(s) in StrainInfo

Ref.: 20218 51999 - <http://www.straininfo.net/strains/51999>
Ref.: 20218 51991 - <http://www.straininfo.net/strains/51991>
Ref.: 20218 233633 - <http://www.straininfo.net/strains/233633>
Ref.: 20218 158868 - <http://www.straininfo.net/strains/158868>

References

Ref.: 1781 Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 4586
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.: 38575 None; Curators of the CIP; None

*** These References are textmined**

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