



Strain identifier

BacDive ID: 24038 **DOI:** 10.13145/bacdive24038.20190402.4
Type strain: yes **Designation:** 9_R23581
Culture col. no.: DSM 25581, LMG 26732

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Name and taxonomic classification

Ref.: 20933	Domain	Bacteria
Ref.: 20933	Phylum	Bacteroidetes
Ref.: 20933	Class	Flavobacteriia
Ref.: 20933	Order	Flavobacteriales
Ref.: 20933	Family	Flavobacteriaceae
Ref.: 20933	Genus	Chryseobacterium
Ref.: 20933	Species	Chryseobacterium carnipullorum
Ref.: 20933	Full Scientific Name	Chryseobacterium carnipullorum Charimba et al. 2013
Ref.: 20933	Designation:	9_R23581
Ref.: 20933	Type strain:	yes

Prokaryotic Nomenclature Up-to-date (PNU)

Ref.: 20215	Domain	Bacteria
Ref.: 20215	Phylum	Bacteroidetes
Ref.: 20215	Class	Flavobacteriia
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 62:1017
Ref.: 20215	Family	Flavobacteriaceae
Ref.: 20215	Genus	Chryseobacterium
Ref.: 20215	Taxonomical status	gen. nov. (VP)



Chryseobacterium carnipullorum

Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 44:827*
Ref.: 20215	Species	Chryseobacterium carnipullorum
Ref.: 20215	Taxonomical status	sp. nov. (VP)
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 63:3243*
Ref.: 20215	Full Scientific Name	Chryseobacterium carnipullorum Charimba et al. 2013

Morphology and physiology

Ref.: 30999	Gram stain	negative
Ref.: 30999	Cell length	0.85 µm
Ref.: 30999	Cell width	0.39 µm
Ref.: 30999	Cell shape	rod-shaped
Ref.: 30999	Motility	no

Enzymes

Ref.: 30999
Ref.: 30999
Ref.: 30999

Enzyme	Enzyme activity	EC number
acid phosphatase	+	3.1.3.2
catalase	+	1.11.1.6
cytochrome oxidase	+	1.9.3.1

Halophily

Ref.: 30999

Salt	Tested relation	Salt conc.
NaCl	growth	01-03 %

Metabolite utilization

Ref.: 30999
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Chebi ID	Metabolite	Utilization activity	Kind of utilization tested
33033	2-Oxovaleric acid	+	carbon source
15366	Acetic acid	+	carbon source
22653	Asparagine	+	carbon source
16236	Ethanol	+	carbon source
24175	Galacturonate	+	carbon source
5291	Gelatin	+	carbon source
32323	Glucuronamide	+	carbon source
18237	Glutamic acid	+	carbon source
37684	Mannose	+	carbon source
17632	Nitrate	+	reduction
30768	Propionic acid	+	carbon source
15741	Succinic acid	+	carbon source
53424	Tween 20	+	carbon source
53426	Tween 80	+	carbon source



Ref.: 30999 **Oxygen tolerance** aerobe

Ref.: 30999 **Ability of spore formation** no

Culture and growth conditions

Ref.: 20933 **Culture medium** TRYPTONE SOYA BROTH (TSB) (DSMZ Medium 545), 28°C

Ref.: 20933 **Culture medium growth** yes

Ref.: 20933 **Culture medium link** https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium545.pdf

Ref.: 20933 Ref.: 30999	Temperatures	Kind of temperature	Temperature
		growth	28 °C
		optimum	27.5 °C

Ref.: 20933 **Temperature range** mesophilic

Ref.: 30999 **Temperature range** mesophilic

Ref.: 30999	pH	Kind of pH	pH
		optimum	6

Isolation, sampling and environmental information

Ref.: 20933 **Sample type/isolated from** raw chicken in a poultry processing plant

Ref.: 20933 **Geographic location (country and/or sea, region)** Free State Prov., Bloemfontein

Ref.: 20933 **Country** South Africa

Ref.: 20933 **Continent** Africa

Isolation sources categories	Cat1	Cat2	Cat3
	#Engineered	#Food production	#Meat
	#Engineered	#Industrial	#Plant (Factory)
	#Host	#Birds	#Chicken

Application and interaction

Ref.: 20933 **Biosafety level** 1 Risk group (German classification)

Molecular biology

Ref.: 20933 **GC-content** 36.7 mol% high performance liquid chromatography (HPLC)
Ref.: 30999 **GC-content** 36.7 mol%

	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID
Ref.: 20933	GenBank Direct submission	Chryseobacterium carnipullorum strain 9_R23581 16S ribosomal RNA gene, partial sequence	JN935269	1412	1124835

Strain availability

Ref.: 20933 **Culture collection no.** DSM 25581, LMG 26732

Ref.: 20933 **Strain history** <- C. J. Hugo, Univ. of the Free State, Dept. of Microbial, Biochem. and Food Biotechnol., Bloemfontein, South Africa; 9_R23581

Associated Passport(s) in StrainInfo

Ref.: 20218 890953 - <http://www.straininfo.net/strains/890953>
Ref.: 20218 867873 - <http://www.straininfo.net/strains/867873>

References

- 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.: 20933 Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 25581
- Ref.: 30999 Barberan A, Caceres Velazquez H, Jones S, Fierer N. Hiding in Plain Sight: Mining Bacterial Species Records for Phenotypic Trait Information. mSphere 2: None-None 2017 (10.1128/mSphere.00237-17, None) - **originally annotated from #27329**
- Ref.: 27329 IJSEM 3243 2013 (10.1099/ijms.0.049445-0)

* These References are textmined

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