Strain		DSM 46814
Genus		***Nocardia***
Species		***donostiensis***
Status		
Risk group		2 (provisional classification by DSMZ)
Type strain		CECT 8839, X1654
Genbank accession numbers		16S rRNA gene: KM233637
Reference		
Author		Ercibengoa, M., Bell, M., Marimón, J. M., Humrighouse, B., Klenk, H. P., Pötter, G., Pérez-Trallero, E.
Title		*Nocardia donostiensis* sp. nov., isolated from human respiratory specimens
Journal		*Antonie Van Leeuwenhoek*
Volume		**109** (5)
Page		653-60
Year		2016
Morphology		
Agar	ISP 2 - growth/G	good
Agar	ISP 2 - colony color/R	sand yellow (1002)
Agar	ISP 2 - aerial mycelium/A	traffic white (9016)
Agar	ISP 2 - soluble pigment/S	none
Agar	ISP 3 - G	sparse
Agar	ISP 3 - R	oyster white(1013)
Agar	ISP 3 - A	none
Agar	ISP 3 - S	none
Agar	ISP 4 - G	sparse
Agar	ISP 4 - R	colourless
Agar	ISP 4 - A	none
Agar	ISP 4 - S	none
Agar	ISP 5 - G	good
Agar	ISP 5 - R	ivory (1014)
Agar	ISP 5 - A	traffic white (9016)
Agar	ISP 5 - S	none
Agar	ISP 6 - G	good
Agar	ISP 6 - R	maize yellow (1006)
Agar	ISP 6 - A	traffic white (9016)
Agar	ISP 6 - S	none
Agar	ISP 7 - G	good
Agar	ISP 7 - R	light ivory (1015)
Agar	ISP 7 - A	traffic white (9016)
Agar	ISP 7 - S	salmon pink (3022)
Agar	suter with tyrosine - G	good

Agar	suter with tyrosine - R	nut brown (8011)
Agar	suter with tyrosine - A	silk grey (7044)
Agar	suter with tyrosine - S	mahogany brown (8016)
Agar	suter without tyrosine - G	good
Agar	suter without tyrosine - R	ivory (1014)
Agar	suter without tyrosine - A	signal white (9003), sparse
Agar	suter without tyrosine - S	none
	Sporechains/Sporangia	
Physiology		- - + -
Melanin		
pH	range	
pH	optimum	
temperature	range	
temperature	optimum	
sodium chloride tolerance		5%
lysozyme tolerance		
use of carbohydrates	glucose	+
use of carbohydrates	arabinose	+
use of carbohydrates	sucrose	+
use of carbohydrates	xylose	+
use of carbohydrates	inositol	-
use of carbohydrates	mannose	-
use of carbohydrates	fructose	-
use of carbohydrates	rhamnose	+
use of carbohydrates	raffinose	+
use of carbohydrates	cellulose	+
Api zym	Phosphatase alcaline	2
Api zym	Esterase (C4)	2
Api zym	Esterase Lipase (C8)	4
Api zym	Lipase (C14)	0
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	1
Api zym	Cystine arylamidase	0
Api zym	Trypsin	0
Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	5
Api zym	Naphtol-AS-BI-phosphohydrolase	2
Api zym	alpha galactosidase	0
Api zym	beta galactosidase	0
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	2
Api zym	beta glucosidase	5
Api zym	N-acetyl-beta-glucoseamidase	0
Api zym	alpha mannosidase	0

Api zym	alpha fucosidase	0
Api coryne	nitrate reduction	-
Api coryne	Pyraziamidase	-
Api coryne	Pyrrolidonyl arylamidase	-
Api coryne	Alkaline phosphatase	-
Api coryne	beta glucuronidase	-
Api coryne	beta galactosidase	-
Api coryne	alpha glucosidase	-
Api coryne	N-acetyl -beta glucoseamidase	-
Api coryne	Esculin (beta glucosidase)	-
Api coryne	Urease	-
Api coryne	Gelatine(hydrolysis)	-
Api coryne	Glucose fermentation	-
Api coryne	Ribose fermentation	-
Api coryne	Xylose fermentation	-
Api coryne	Mannitol fermentation	-
Api coryne	Maltose fermentation	-
Api coryne	Lactose fermentation	-
Api coryne	Sucrose fermentation	-
Api coryne	Glycogen fermentation	-

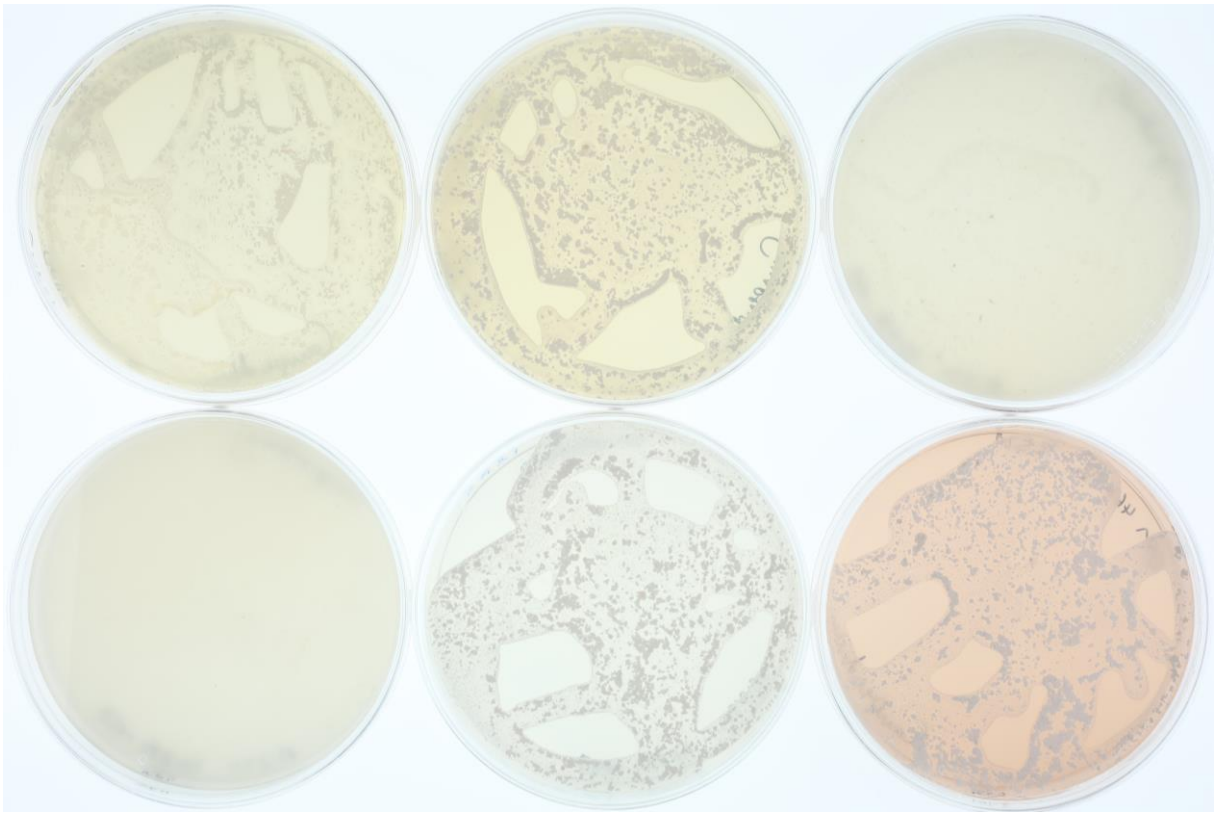
Apicoryne

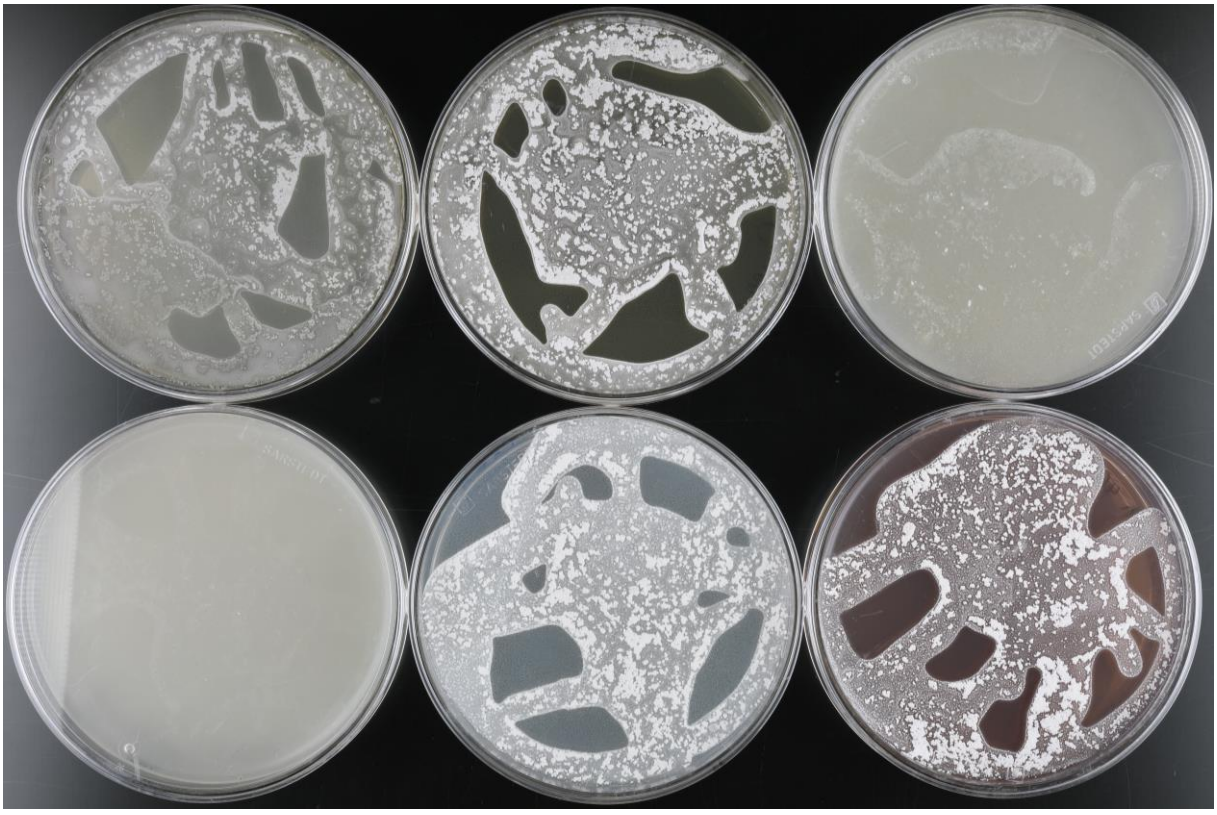
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM 46814.

Apizym

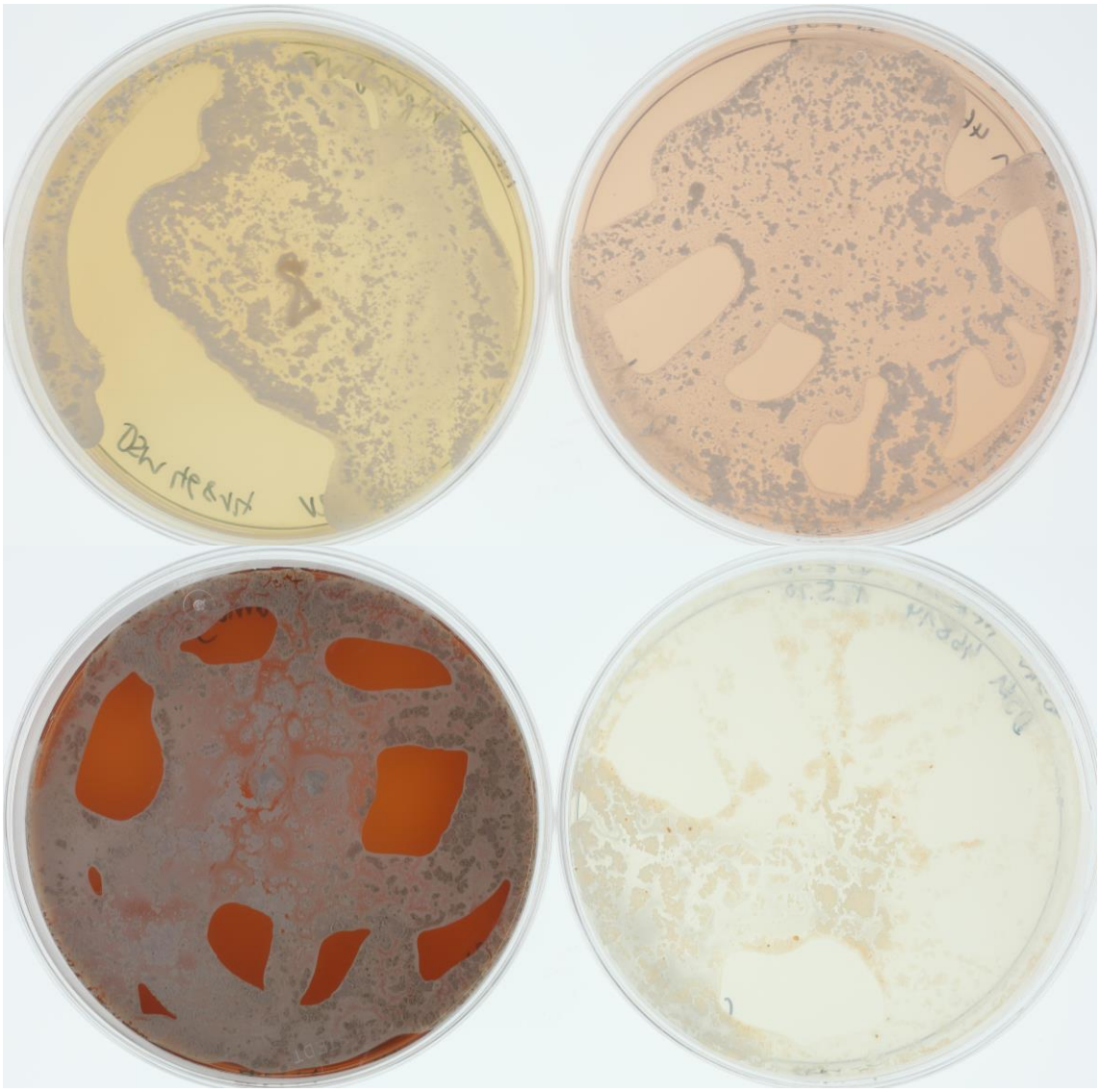
Abbildung 2: Apizym-Teststreifen mit Keim DSM 46814.

Plates (553, ISP2, ISP3, ISP4, ISP5, ISP7)

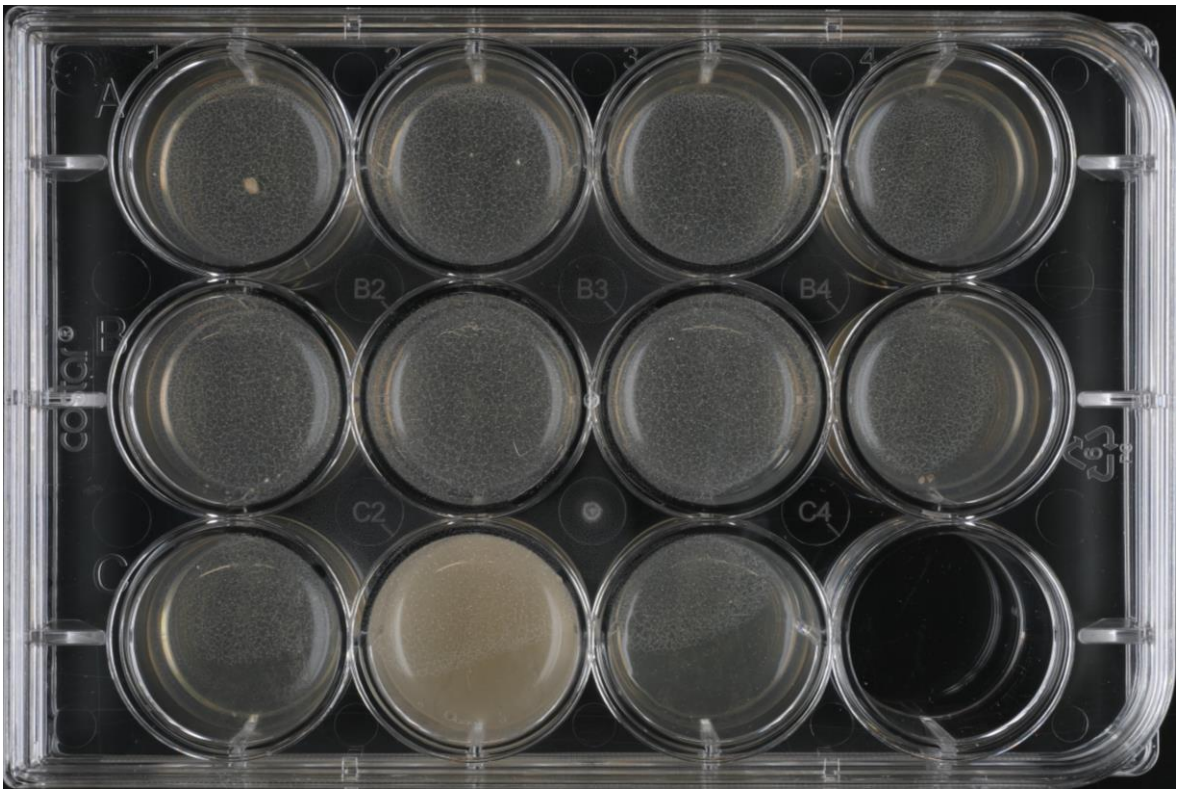




(ISP6, ISP7, SSM+T, SSM-T)



Carbon utilization test (from top left to bottom right: glucose, arabinose, sucrose, xylose, inositol, mannose, fructose, rhamnose, raffinose, cellulose)



Sodium chloride tolerance test (from top left to bottom right: 0%, 2,5%, 5%, 7,5%, 10%)