Strain		DSM 45199
Genus		***Pseudonocardia***
Species		***tropica***
Status		
Risk group		L1
Type strain		DSM 45199, CCTCC AA 208018, YIM 61452
Reference		
Author		Qin, S., Zhu, W. Y., Jiang, J. H., Klenk, H. P., Li, J., Zhao, G. Z., Xu, L. H., Li, W. J.
Title		*Pseudonocardia tropica* sp. nov., an endophytic actinomycete isolated from the stem of *Maytenus austroyunnanensis*.
Journal		*Int J Syst Evol Microbiol*
Volume		**60** (Pt 11)
Page		2524-2528
Year		2010
Author		Euzeby, J.
Title		Notification that new names and new combinations have appeared in volume 60, part 11, of the IJSEM.
Journal		*Int J Syst Evol Microbiol*
Volume		**61** (Pt 2)
Page		221-222
Year		2011
Morphology		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony color/R	Clay brown (8003)
Agar	ISP 2 - aerial mycelium/A	Pure white
Agar	ISP 2 - soluble pigment/S	Ocher brown (9010)
Agar	ISP 3 - G	Decreased
Agar	ISP 3 - R	Clay brown (8003)
Agar	ISP 3 - A	Cream (9001)
Agar	ISP 3 - S	None
Agar	ISP 4 - G	Decreased
Agar	ISP 4 - R	beige brown (8024)
Agar	ISP 4 - A	Traffic white (9016)
Agar	ISP 4 - S	None
Agar	ISP 5 - G	Good
Agar	ISP 5 - R	Clay brown (8003)
Agar	ISP 5 - A	Beige (1001)
Agar	ISP 5 - S	Brown beige (1011)
Agar	ISP 6 - G	/
Agar	ISP 6 - R	/
Agar	ISP 6 - A	/
Agar	ISP 6 - S	/

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Agar	ISP 7 - G	Good
Agar	ISP 7 - R	Ocher brown (8001)
Agar	ISP 7 - A	None
Agar	ISP 7 - S	Pastel yellow (1034)
Agar	suter with tyrosine - G	Decreased
Agar	suter with tyrosine - R	Nut brown (8011)
Agar	suter with tyrosine - A	Oyster white (1013)
Agar	suter with tyrosine - S	Copper brown (8004)
Agar	suter without tyrosine - G	Good
Agar	suter without tyrosine - R	Fawn brown (8007)
Agar	suter without tyrosine - A	Light grey (7035)
Agar	suter without tyrosine - S	Ocher brown (8001)
	Sporechains/Sporangia	
Physiology		
Melanin		+
pH	range	
pH	optimum	
temperature	range	
temperature	optimume	
sodim 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	0
Api zym	Esterase (C4)	1
Api zym	Esterase Lipase (C8)	1
Api zym	Lipase (C14)	0
Api zym	Leucin arylamidase	1
Api zym	Valine arylamidase	1
Api zym	Cystine arylamidase	0
Api zym	Trypsin	0
Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	1
Api zym	Naphtol-AS-BI-phosphohydrolase	0
Api zym	alpha galactosidase	0
Api zym	beta galactosidase	0

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Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	0
Api zym	beta GLUCOSIDASE	1
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

Apizym

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

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(SSM+T, SSM-T)

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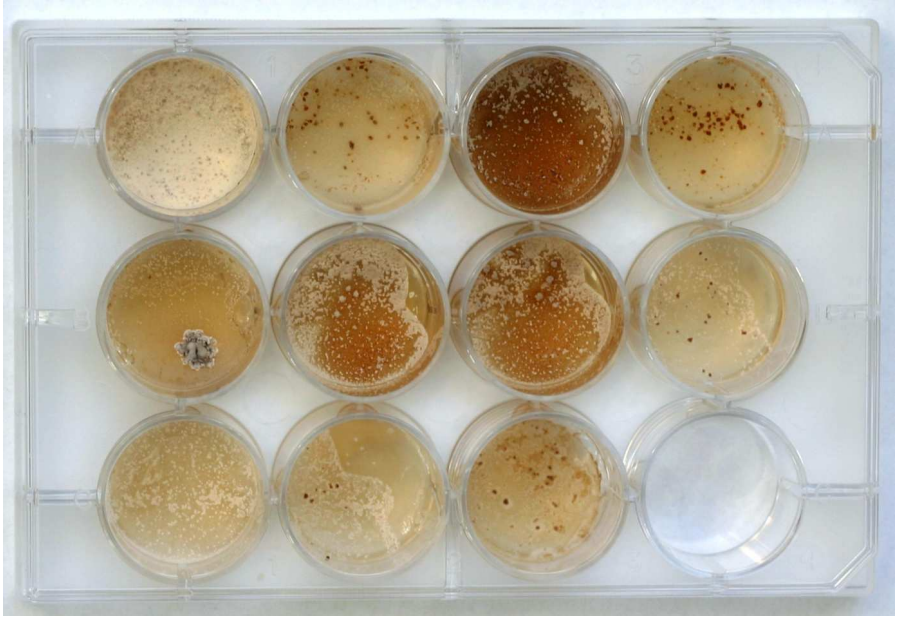
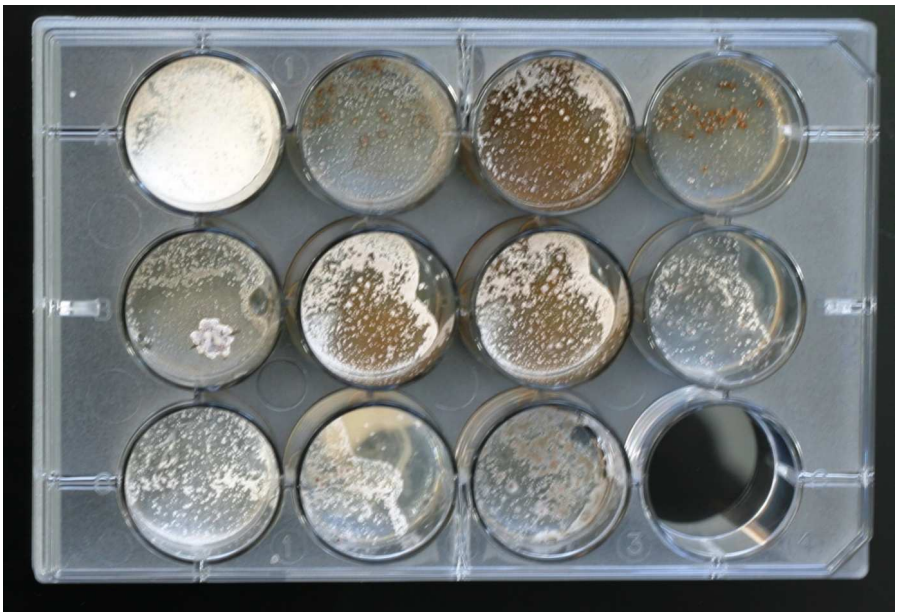
Carbon utilization test (from top left to bottom right: glucose, arabinose, sucrose, xylose, inositol, mannose, fructose, rhamnose, raffinose, cellulose, water)





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

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