Strain		DSM 45570
Genus		***Planotetraspora***
Species		***kaengkrachanensis***
Status		
Risk group		L1
Type strain		DSM 45570, A-T 0875, BCC 24832, NBRC 104272
Reference		
Author		Suriyachadkun, C., Chunhametha, S., Thawai, C., Tamura, T., Potacharoen, W., Kirtikara, K., Sanglier, J. J., Kitpreechavanich, V.
Title		*Planotetraspora kaengkrachanensis* sp. nov. and *Planotetraspora phitsanulokensis* sp. nov., isolated from soil.
Journal		Int J Syst Evol Microbiol
Volume		60 (Pt 9)
Page		2076-2081
Year		2010
Morphology		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony color/R	Sand yellow (1002)
Agar	ISP 2 - aerial mycelium/A	None
Agar	ISP 2 - soluble pigment/S	Sand yellow (1002)
Agar	ISP 3 - G	Good
Agar	ISP 3 - R	none
Agar	ISP 3 - A	None
Agar	ISP 3 - S	None
Agar	ISP 4 - G	Good
Agar	ISP 4 - R	None
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	None
Agar	ISP 5 - S	None
Agar	ISP 6 - G	/
Agar	ISP 6 - R	/
Agar	ISP 6 - A	/
Agar	ISP 6 - S	/
Agar	ISP 7 - G	Good
Agar	ISP 7 - R	Ivory (1014)
Agar	ISP 7 - A	None
Agar	ISP 7 - S	None
Agar	suter with tyrosine - G	Good

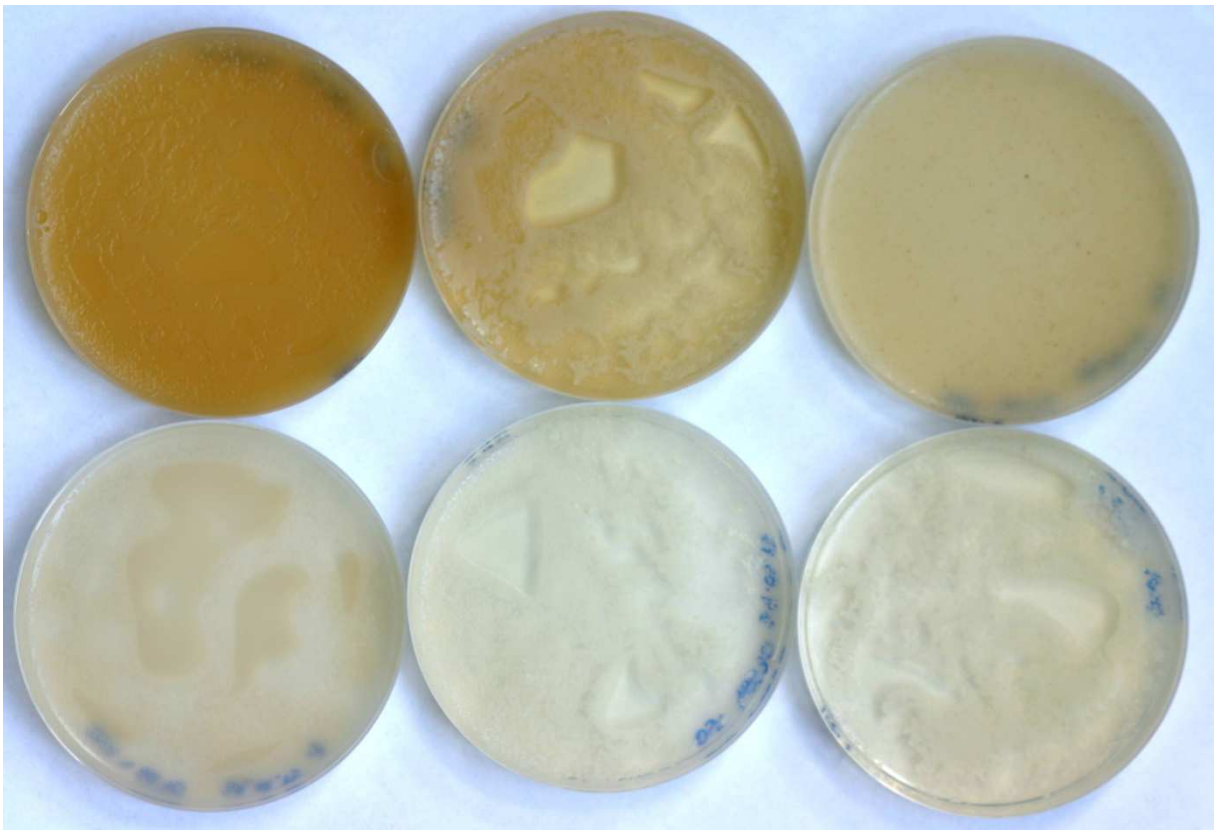
Agar	suter with tyrosine - R	None
Agar	suter with tyrosine - A	None
Agar	suter with tyrosine - S	None
Agar	suter without tyrosine - G	Good
Agar	suter without tyrosine - R	None
Agar	suter without tyrosine - A	None
Agar	suter without tyrosine - S	None
	Sporechains/Sporangia	
Physiology		
Melanin		-
pH	range	
pH	optimum	
temperature	range	
temperature	optimume	
sodim chloride tolerance		10%
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	5
Api zym	Esterase (C4)	2
Api zym	Esterase Lipase (C8)	2
Api zym	Lipase (C14)	1
Api zym	Leucin arylamidase	4
Api zym	Valine arylamidase	5
Api zym	Cystine arylamidase	3
Api zym	Trypsin	5
Api zym	Chymotrypsin	3
Api zym	Phosphatase acid	5
Api zym	Naphtol-AS-BI-phosphohydrolase	5
Api zym	alpha galactosidase	5
Api zym	beta galactosidase	5
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	5
Api zym	beta GLUCOSIDASE	5
Api zym	N-acetyl-beta-glucoseamidase	3
Api zym	alpha mannosidase	5

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	-

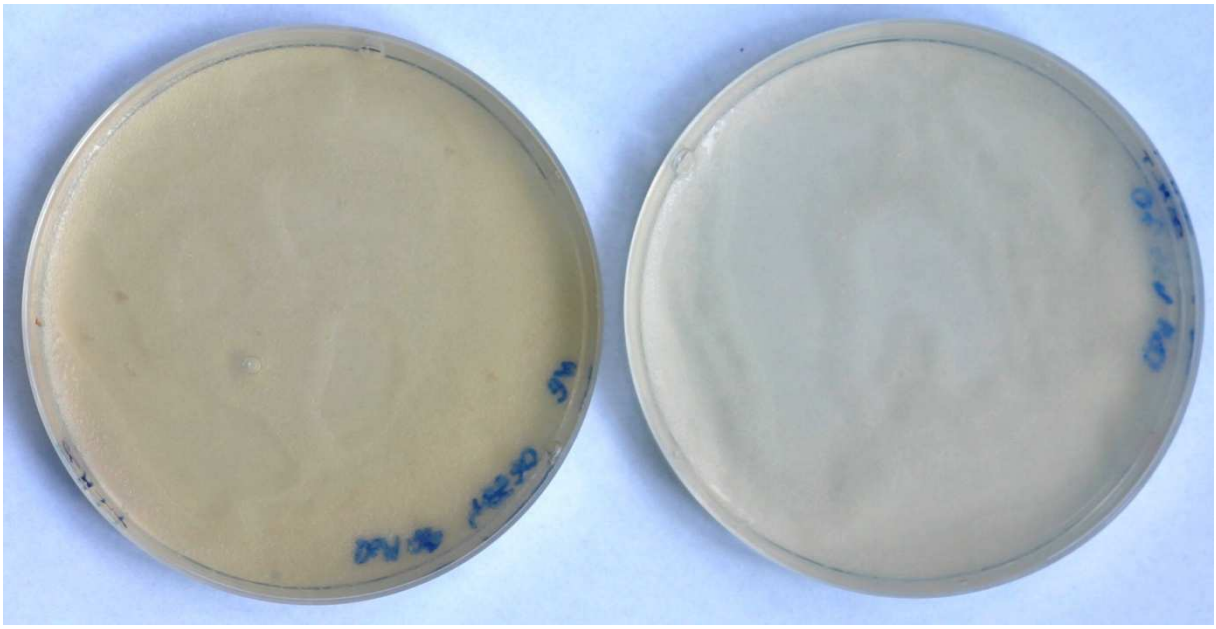
Apicoryne

Apizym

Plates (DSM 554, ISP2, ISP3, ISP4, ISP5, ISP7)



SSM+T, SSM-T)



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

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