

Compendium of Actinobacteria from Dr. Joachim M. Wink
University of Braunschweig

Strain		DSM 21006
Genus		<i>Phycicoccus</i>
Species		<i>ginsenosidimutans</i>
Status		
Risk group		L1
Type strain		BXN5-13, KCTC 19419, LMG 24462
Reference		
Author		Wang, L., An, D. S., Jin, F. X., Lee, S. T., Im, W. T., Bae, H. M.
Title		<i>Phycicoccus ginsenosidimutans</i> sp. nov., isolated from soil of a ginseng field.
Journal		<i>Int J Syst Evol Microbiol</i>
Volume		61 (Pt 3)
Page		524-528
Year		2011
Morphology		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony color/R	Brown beige 1011
Agar	ISP 2 - aerial mycelium/A	None
Agar	ISP 2 - soluble pigment/S	Maize yellow (1006)
Agar	ISP 3 - G	Good
Agar	ISP 3 - R	Maize yellow (1006)
Agar	ISP 3 - A	None
Agar	ISP 3 - S	Brown beige (1011)
Agar	ISP 4 - G	Decreased
Agar	ISP 4 - R	None
Agar	ISP 4 - A	None
Agar	ISP 4 - S	None
Agar	ISP 5 - G	Decreased
Agar	ISP 5 - R	None
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	Decreased
Agar	ISP 7 - R	None
Agar	ISP 7 - A	None
Agar	ISP 7 - S	None
Agar	suter with tyrosine - G	Decreased
Agar	suter with tyrosine - R	None
Agar	suter with tyrosine - A	None
Agar	suter with tyrosine - S	None
Agar	suter without tyrosine - G	Decreased

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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		0%
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)	3
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	1
Api zym	Trypsin	0
Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	5
Api zym	Naphtol-AS-BI-phosphohydrolase	3
Api zym	alpha galactosidase	4
Api zym	beta galactosidase	5
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	3
Api zym	beta GLUCOSIDASE	0
Api zym	N-acetyl-beta-glucosaminidase	0
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	-

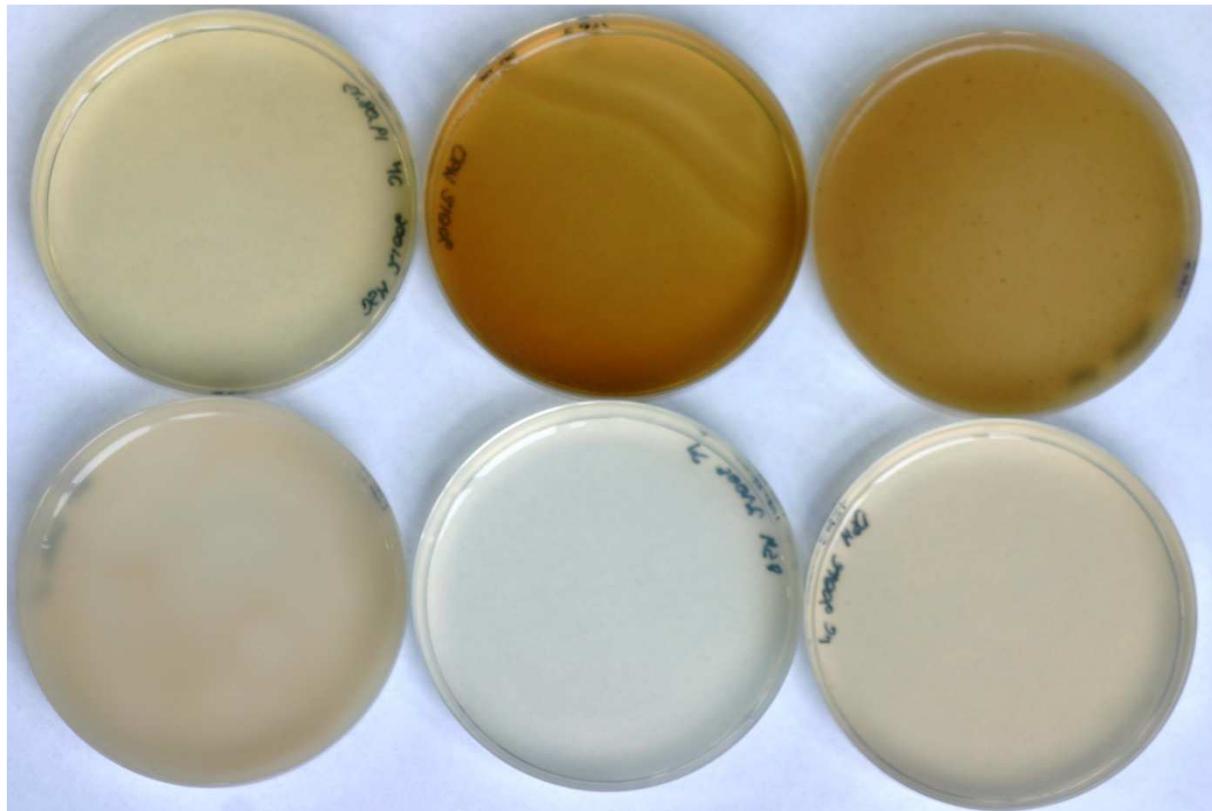
Apicoryne



Apizym



Plates (DSM 830, ISP2, ISP3, ISP4, ISP5, ISP7)



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

