

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

Strain		DSM 45317
Genus		<i>Geodermatophilus</i>
Species		<i>ruber</i>
Status		
Risk group		L1
Type strain		CCM 7619, CPCC 201356
Reference		
Author		Zhang, Y. Q., Chen, J., Liu, H. Y., Zhang, Y. Q., Li, W. J., Yu, L. Y.
Title		<i>Geodermatophilus ruber</i> sp. nov., isolated from rhizosphere soil of a medicinal plant.
Journal		<i>Int J Syst Evol Microbiol</i>
Volume		61 (Pt 1)
Page		190-193
Year		2011
Author		/
Title		Notification that new names and new combinations have appeared in volume 61, part 1, of the IJSEM.
Journal		<i>Int J Syst Evol Microbiol.</i>
Volume		61 (Pt 4)
Page		701-702
Year		2011
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 – decreased
Agar	ISP 3 - R	None
Agar	ISP 3 - A	None
Agar	ISP 3 - S	None
Agar	ISP 4 - G	Good - decreased
Agar	ISP 4 - R	None
Agar	ISP 4 - A	None
Agar	ISP 4 - S	None
Agar	ISP 5 - G	Good
Agar	ISP 5 - R	Light ivory (1015)
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	Orange brown (8023)

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Agar	ISP 7 - A	None
Agar	ISP 7 - S	Orange brown (8023)
Agar	suter with tyrosine - G	Good
Agar	suter with tyrosine - R	Ocher brown (8001)
Agar	suter with tyrosine - A	None
Agar	suter with tyrosine - S	beige (1001)
Agar	suter without tyrosine - G	Good – decreased
Agar	suter without tyrosine - R	Beige (1001)
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 alkaline	1
Api zym	Esterase (C4)	3
Api zym	Esterase Lipase (C8)	3
Api zym	Lipase (C14)	0
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	0
Api zym	Cystine arylamidase	1
Api zym	Trypsin	0
Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	1
Api zym	Naphtol-AS-BI-phosphohydrolase	3
Api zym	alpha galactosidase	0
Api zym	beta galactosidase	0
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	1

Api zym	beta GLUCOSIDASE	0
Api zym	N-acetyl-beta-glucoseamidase	0
Api zym	alpha mannosidase	0
Api zym	alpha fucosidase	0
Api coryne	nitrate reduction	-
Api coryne	Pyrazinamidase	-
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	-

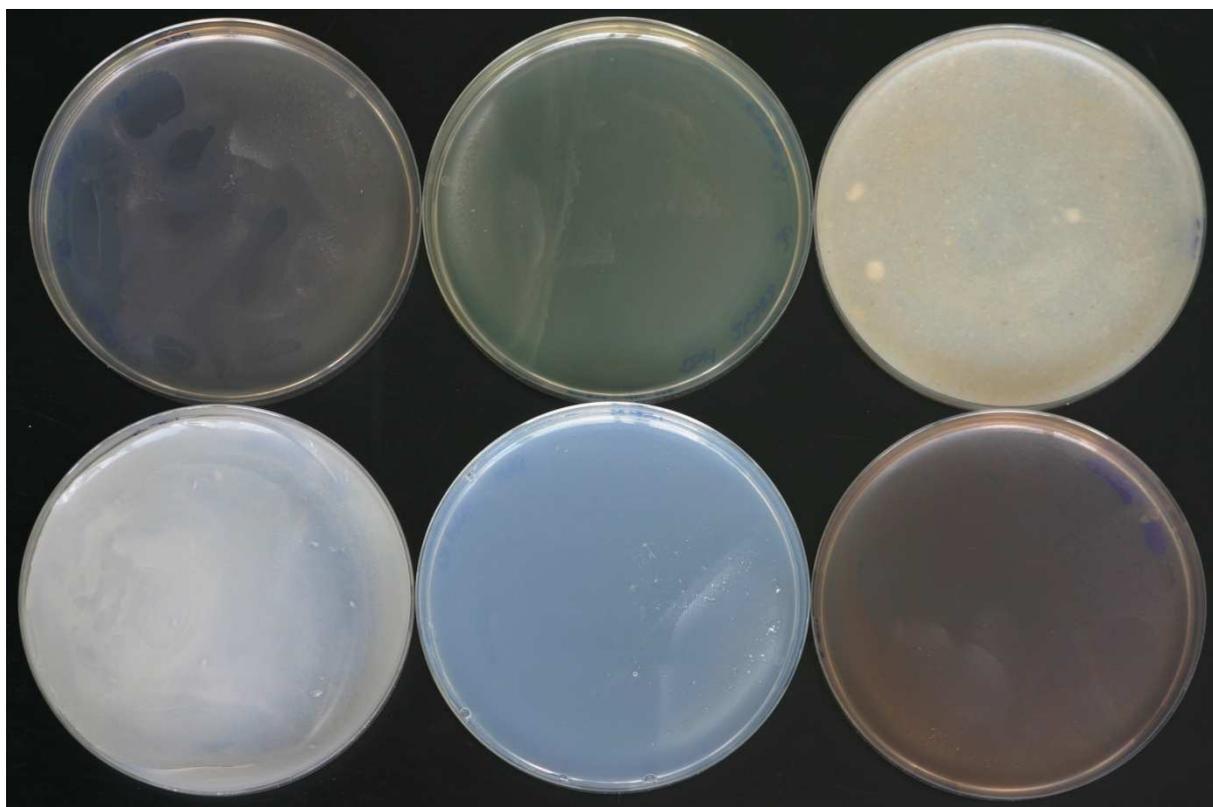
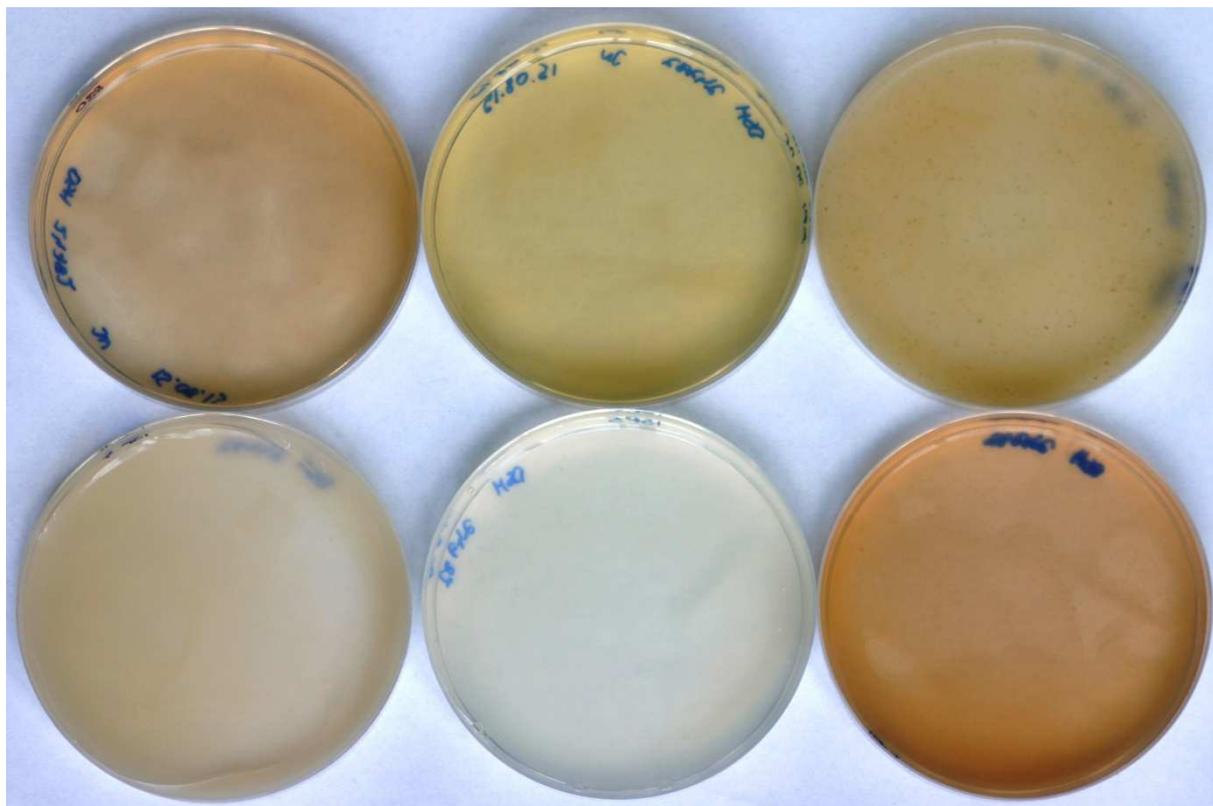
Apicoryne



Apizym



Plates (DSM 65, ISP2, ISP3, ISP4, ISP5, ISP7)



(SSM + T, SSM - T)

