

Compendium of Actinobacteria from Dr. Joachim M. Wink  
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Strain		DSM 41600
Genus		<b><i>Streptomyces</i></b>
Species		<b><i>demainii</i></b>
Status		
Risk group		L1
Type strain		RGB A-777, NRRL B-1478
Reference		
Author		Goodfellow, M., Kumar, Y., Labeda, D. P., Sembiring, L.
Title		The <i>Streptomyces violaceusniger</i> clade: a home for Streptomyces with rugose ornamented spores.
Journal		<i>Antonie van Leeuwenhoek</i>
Volume		<b>92</b> ( 2 )
Page		173-199
Year		2007
Author		/
Title		List of new names and new combinations previously effectively, but not validly, published - Validation List no. 119.
Journal		<i>Int J Syst Evol Microbiol</i>
Volume		<b>58</b> ( Pt 1 )
Page		1-2
Year		2008
Morphology		
Agar	ISP 2 - growth/G	good
Agar	ISP 2 - colony color/R	pale brown (8025)
Agar	ISP 2 - aerial mycelium/A	stone grey (7030)
Agar	ISP 2 - soluble pigment/S	olive brown (8008)
Agar	ISP 3 - G	good
Agar	ISP 3 - R	green brown (8000)
Agar	ISP 3 - A	beige grey (7006) / mouse grey (7005) / black brown (8022)
Agar	ISP 3 - S	khaki grey (7008)
Agar	ISP 4 - G	good
Agar	ISP 4 - R	green brown (8000)
Agar	ISP 4 - A	pure white (9010) / signal black (9004)
Agar	ISP 4 - S	sand yellow (1002)
Agar	ISP 5 - G	good
Agar	ISP 5 - R	grey brown (8019)
Agar	ISP 5 - A	dusty grey (7037)
Agar	ISP 5 - S	sand yellow (1002)
Agar	ISP 6 - G	good
Agar	ISP 6 - R	traffic grey A (7042) / traffic grey B (7043)
Agar	ISP 6 - A	sparse

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Agar	ISP 6 - S	ochre yellow (1024)
Agar	ISP 7 - G	good
Agar	ISP 7 - R	olive brown (8008)
Agar	ISP 7 - A	stone grey (7030)
Agar	ISP 7 - S	ochre yellow (1024)
Agar	suter with tyrosine - G	good
Agar	suter with tyrosine - R	terra brown (8028)
Agar	suter with tyrosine - A	pure white (9010)
Agar	suter with tyrosine - S	clay brown (8003)
Agar	suter without tyrosine - G	good
Agar	suter without tyrosine - R	terra brown (8028)
Agar	suter without tyrosine - A	pure white (9010)
Agar	suter without tyrosine - S	clay brown (8003)
	Sporechains/Sporangia	
Physiology		
Melanin		-
pH	range	
pH	optimum	
temperature	range	
temperature	optimum	
sodium chloride tolerance		2,5%
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	5
Api zym	Esterase (C4)	0
Api zym	Esterase Lipase (C8)	0
Api zym	Lipase (C14)	0
Api zym	Leucin arylamidase	3
Api zym	Valine arylamidase	3
Api zym	Cystine arylamidase	2
Api zym	Trypsin	3
Api zym	Chymotrypsin	4
Api zym	Phosphatase acid	5
Api zym	Naphtol-AS-BI-phosphohydrolase	3
Api zym	alpha galactosidase	1

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Api zym	beta galactosidase	0
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	2
Api zym	beta GLUCOSIDASE	4
Api zym	N-acetyl-beta-glucoseamidase	4
Api zym	alpha mannosidase	4
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	-
Metabolites		
Antimicrobial	Staphylococcus aureus	
Antimicrobial	Escherichia coli	
Antimicrobial	Micrococcus luteus	
Antimicrobial	Pseudomonas aeruginosa	
Antimicrobial	Streptomyces murinus	
Antimicrobial	Bacillus subtilis	
Antimicrobial	Candida albicans	
Antimicrobial	Saccharomyces cerevisiae	
Antimicrobial	Aspergillus niger	

## Apicoryne



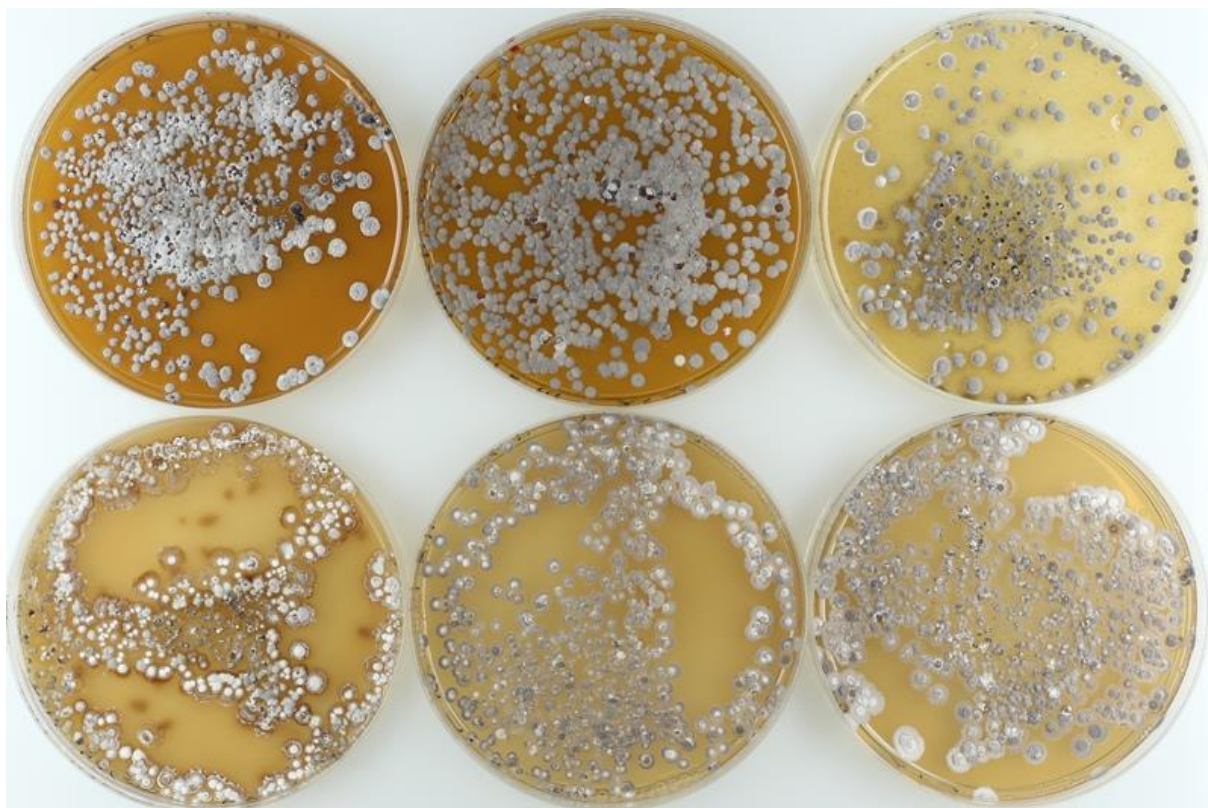
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM 41600.

## Apizym



Abbildung 2: Apizym-Teststreifen mit Keim DSM 41600.

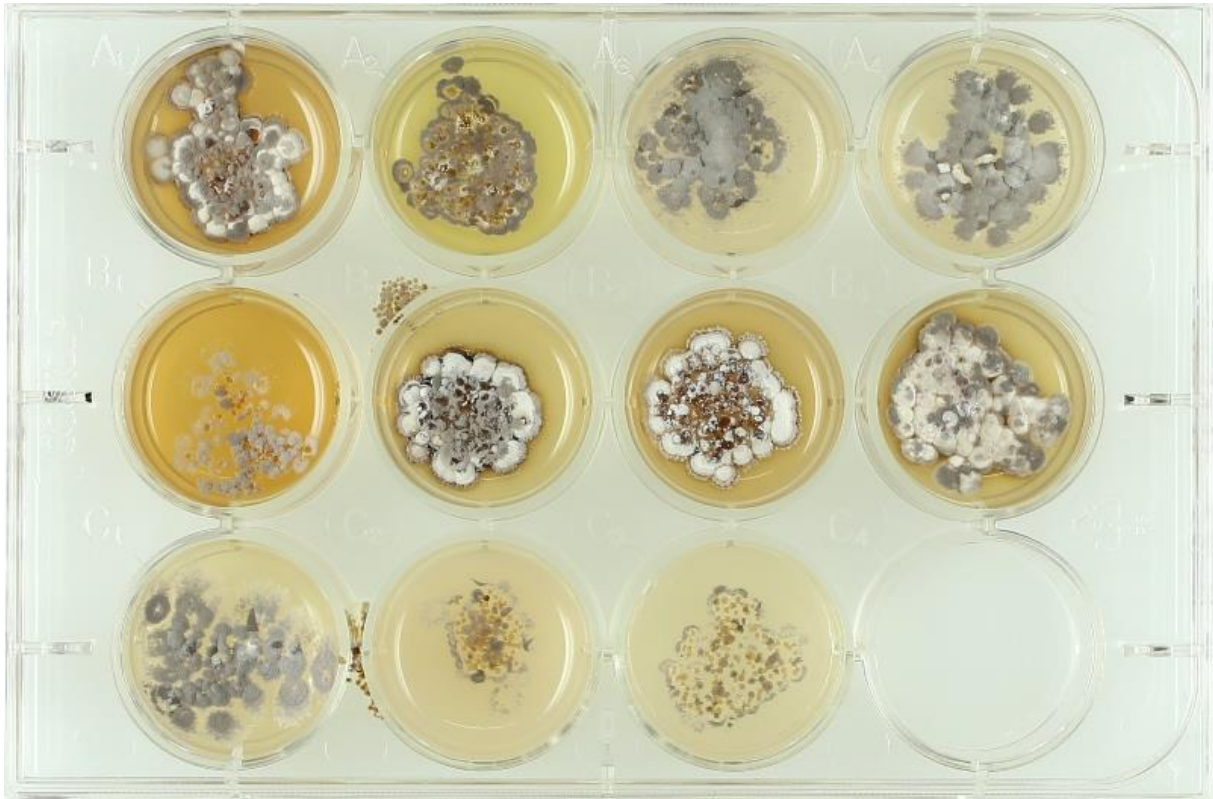
**Plates** (65, ISP2, ISP3, ISP4, ISP5, ISP7)



(ISP6, 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%)**

