Strain		DSM 41674
Genus		***Streptomyces***
Species		***albospinus***
Status		
Risk group		L1
Type strain		IMC S-0602, ATCC 29808, IFO 13846, JCM 3399, NBRC 13846
Reference		
Author		Skerman, V. B. D., McGowan, V., Sneath, P. H. A.
Title		Approved Lists of Bacterial Names
Journal		Int.J.Syst.Bacteriol.
Volume		30
Page		225-420
Year		1980
Author		Wang, E. L., Hamada, M., Okami, Y., Umezawa, H.
Title		A new antibiotic, spinamycin
Journal		J.Antibiot.(Tokyo) Ser.A
Volume		19
Page		216-221
Year		1966
Morphology		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony color/R	1002 Sandgelb, 1011 Braunbeige
Agar	ISP 2 - aerial mycelium/A	Good, 9003 Signalweiß
Agar	ISP 2 - soluble pigment/S	1011 Braunbeige
Agar	ISP 3 - G	Good
Agar	ISP 3 - R	1011 Braunbeige
Agar	ISP 3 - A	Good, 7037 Staubgrau, 9010 Reinweiß
Agar	ISP 3 - S	None
Agar	ISP 4 - G	Good, 1011 Braunbeige
Agar	ISP 4 - R	1011 Braunbeige
Agar	ISP 4 - A	Sparse, 9010 Reinweiß
Agar	ISP 4 - S	None
Agar	ISP 5 - G	Good
Agar	ISP 5 - R	1011 Braunbeige, 1015 Hellelfenbein
Agar	ISP 5 - A	Good, 7047 Telegrau 4, 9016 Verkehrsweiß
Agar	ISP 5 - S	None
Agar	ISP 6 - G	Good, 1002 Sandgelb
Agar	ISP 6 - R	1002 Sandgelb

Agar	ISP 6 - A	None
Agar	ISP 6 - S	None
Agar	ISP 7 - G	Good
Agar	ISP 7 - R	1001 Beige, 3009 Oxidrot
Agar	ISP 7 - A	Good, 1013 Perlweiß, 7004 Signalgrau
Agar	ISP 7 - S	nongoode
Agar	suter with tyrosine - G	1011 Braunbeige
Agar	suter with tyrosine - R	Sparse, 9010 Reinweiß
Agar	suter with tyrosine - A	1011 Braunbeige
Agar	suter with tyrosine - S	None
Agar	suter without tyrosine - G	None
Agar	suter without tyrosine - R	None
Agar	suter without tyrosine - A	None
Agar	suter without tyrosine - S	None
	Sporechains/Sporangia	
Physiology		
Melanin		0
pH	range	
pH	optimum	
temperature	range	
temperature	optimum	
sodium 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	2
Api zym	Esterase (C4)	2
Api zym	Esterase Lipase (C8)	2
Api zym	Lipase (C14)	1
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	3
Api zym	Cystine arylamidase	2
Api zym	Trypsin	3
Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	3
Api zym	Naphtol-AS-BI-phosphohydrolase	1

Api zym	alpha galactosidase	0
Api zym	beta galactosidase	0
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	0
Api zym	beta glucosidase	0
Api zym	N-acetyl-beta-glucoseamidase	2
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	-
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	

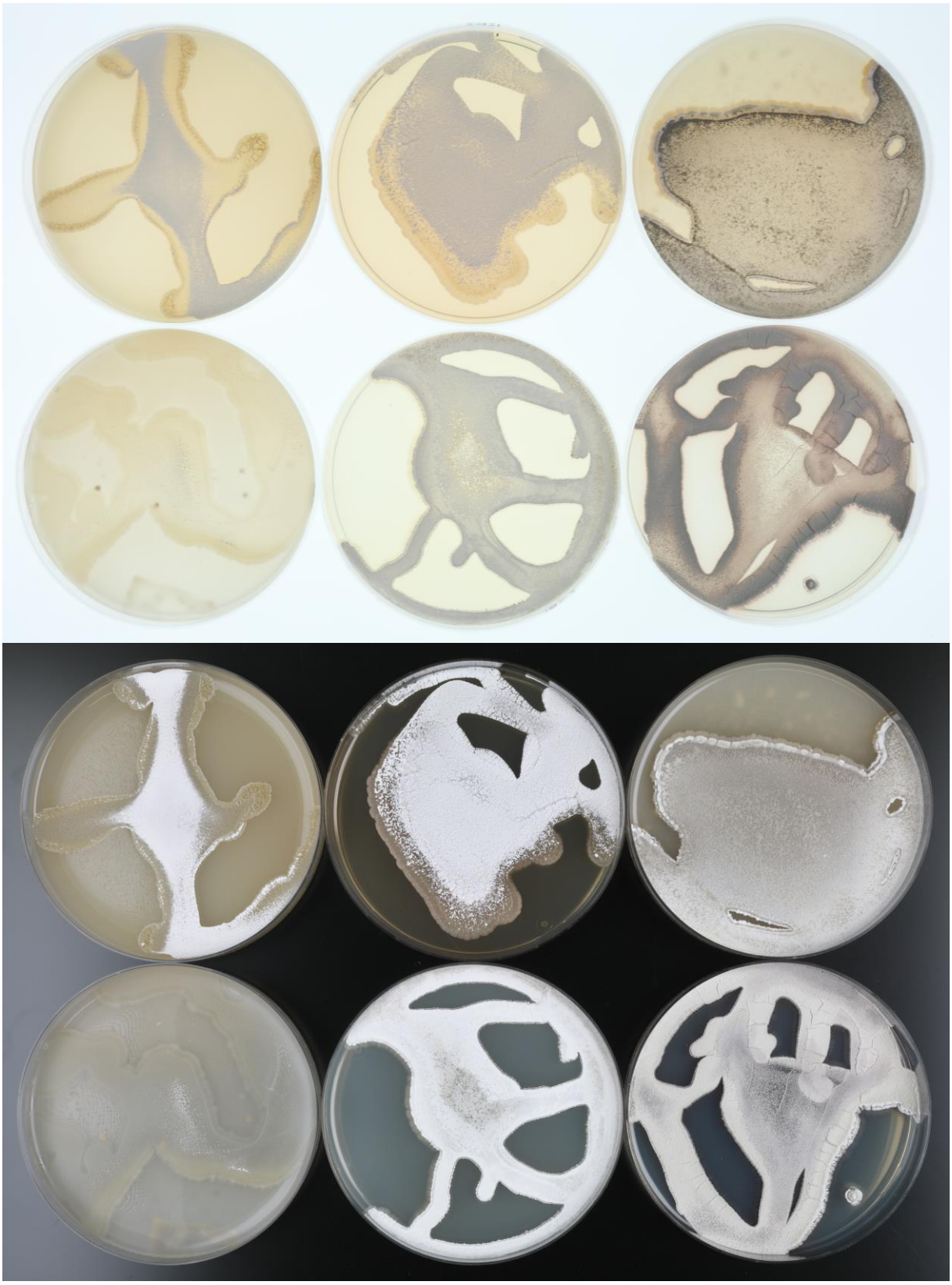
Apicoryne

Abbildung 1: Apicoryne-Teststreifen mit Keim DSM.

Apizym

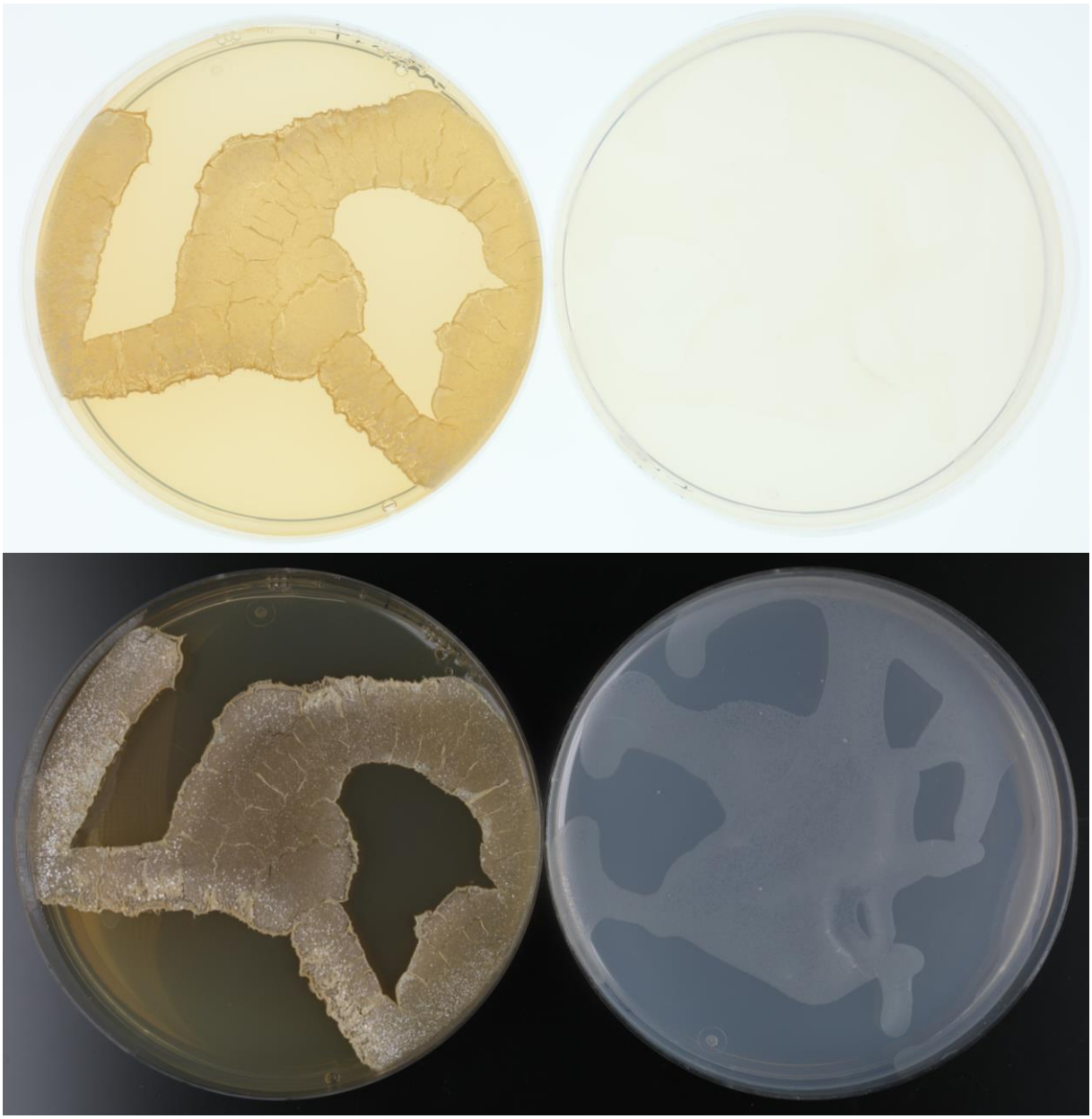
Abbildung 2: Apizym-Teststreifen mit Keim DSM.

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



(ISP6, ISP7)

(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%)