

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

Strain		DSM 40750
Genus		<i>Streptomyces</i>
Species		<i>sp.</i>
Status		
Risk group		1 (provisional classification by DSMZ)
Type strain		FH 1360, ATCC 21619, JCM 4959, KCC S-0959
Reference		
Author		-
Title		-
Journal		-
Volume		-
Page		-
Year		-
Morphology		
Agar	ISP 2 - growth/G	good
Agar	ISP 2 - colony color/R	green brown (8000)
Agar	ISP 2 - aerial mycelium/A	none
Agar	ISP 2 - soluble pigment/S	ochre yellow (1024)
Agar	ISP 3 - G	good
Agar	ISP 3 - R	ivory (1014)
Agar	ISP 3 - A	none
Agar	ISP 3 - S	none
Agar	ISP 4 - G	sparse
Agar	ISP 4 - R	light ivory (1015), yellow olive (6014)
Agar	ISP 4 - A	none
Agar	ISP 4 - S	ochre yellow (1024)
Agar	ISP 5 - G	sparse
Agar	ISP 5 - R	ivory (1014)
Agar	ISP 5 - A	none
Agar	ISP 5 - S	none
Agar	ISP 6 - G	sparse
Agar	ISP 6 - R	grey beige (1019)
Agar	ISP 6 - A	none
Agar	ISP 6 - S	sepia brown (8014)
Agar	ISP 7 - G	good
Agar	ISP 7 - R	anthracite grey (7016)
Agar	ISP 7 - A	none
Agar	ISP 7 - S	signal black (9004)
Agar	suter with tyrosine - G	good
Agar	suter with tyrosine - R	black brown (8022)
Agar	suter with tyrosine - A	none
Agar	suter with tyrosine - S	jet black (9005)

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

Agar	suter without tyrosine - G	sparse
Agar	suter without tyrosine - R	olive brown (8008)
Agar	suter without tyrosine - A	none
Agar	suter without tyrosine - S	brown beige (1011)
	Sporechains/Sporangia	
Physiology		
Melanin		(+) + + -
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 alkaline	5
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	2
Api zym	Cystine arylamidase	2
Api zym	Trypsin	3
Api zym	Chymotrypsin	5
Api zym	Phosphatase acid	5
Api zym	Naphtol-AS-BI-phosphohydrolase	5
Api zym	alpha galactosidase	0
Api zym	beta galactosidase	4
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	0
Api zym	beta glucosidase	0
Api zym	N-acetyl-beta-glucoseamidase	5
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	-

Apicoryne



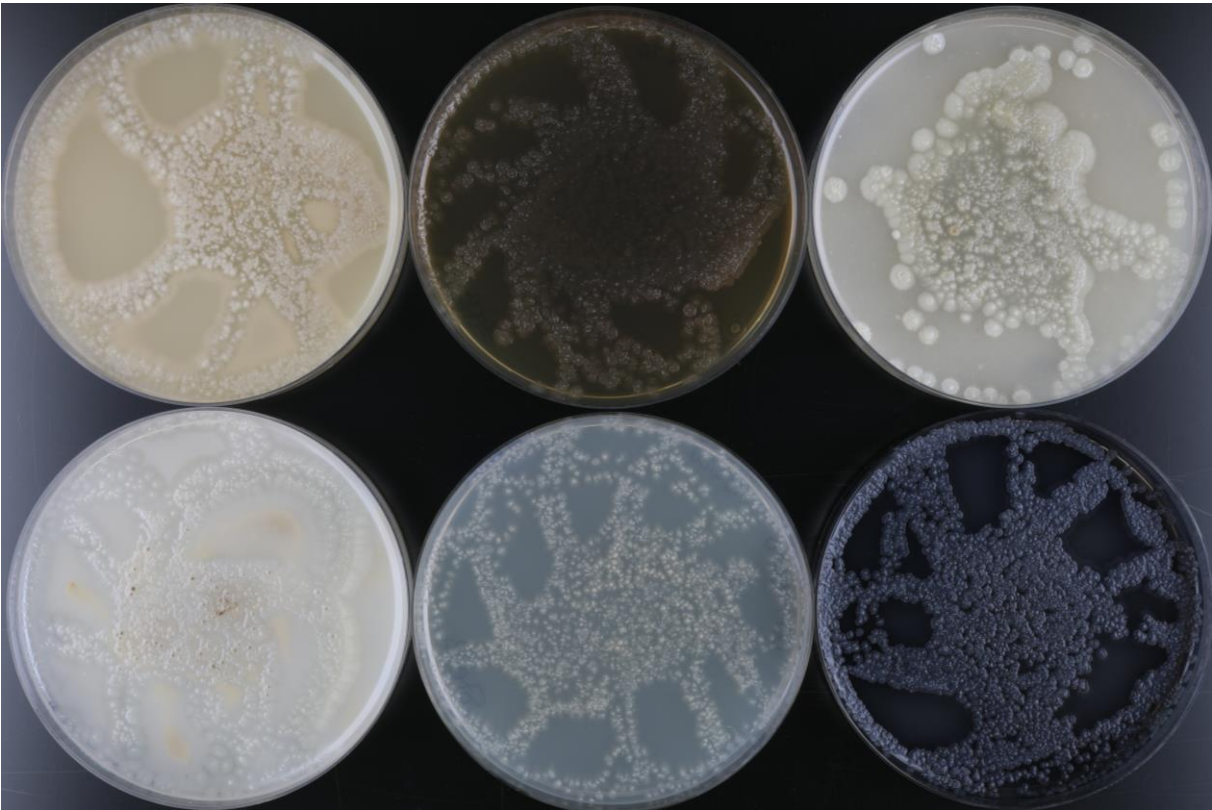
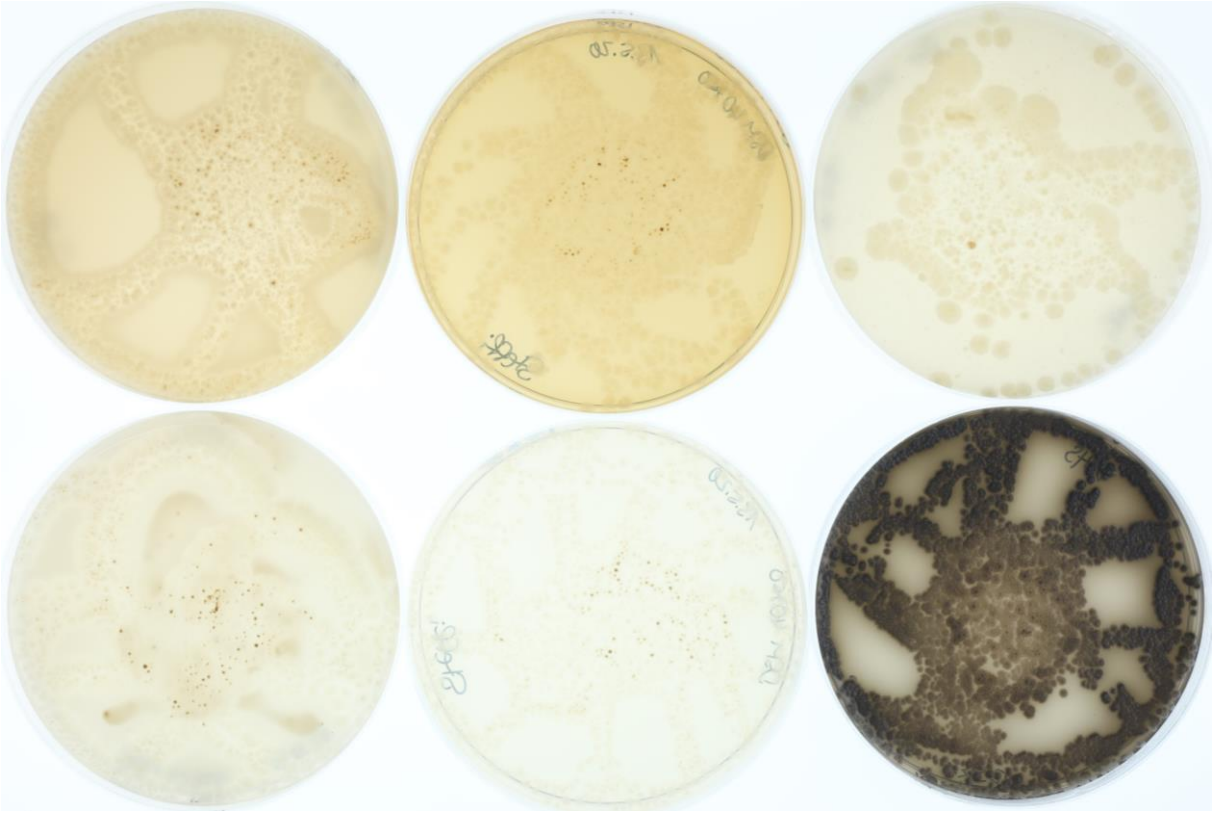
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM 40750.

Apizym

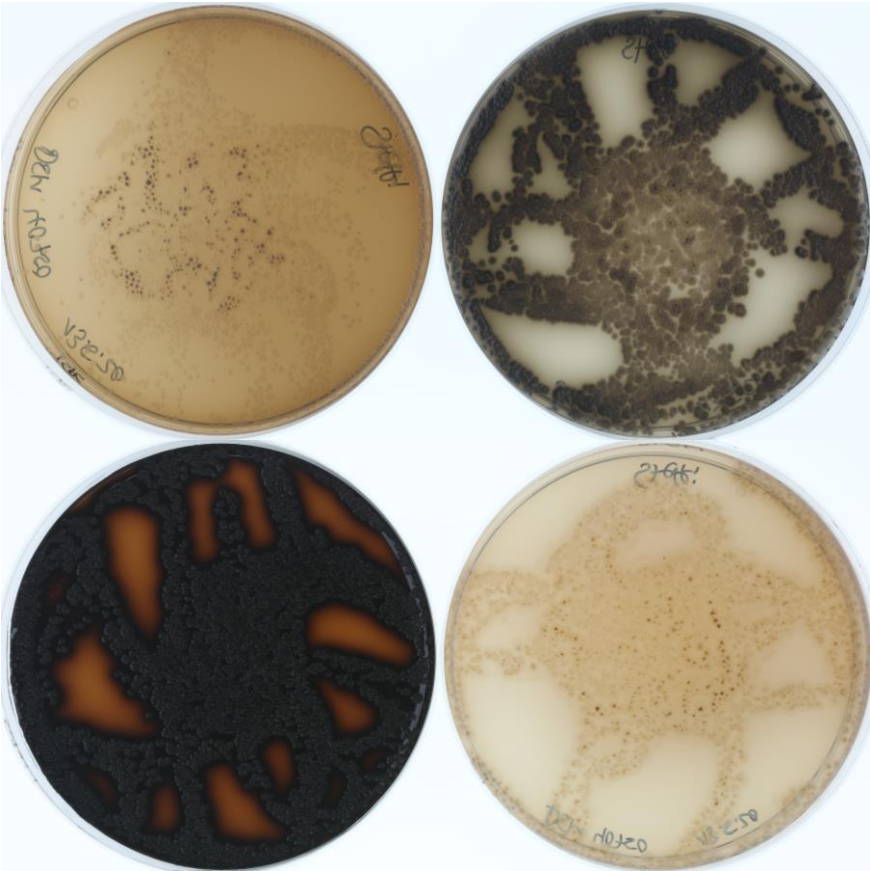


Abbildung 2: Apizym-Teststreifen mit Keim DSM 40750.

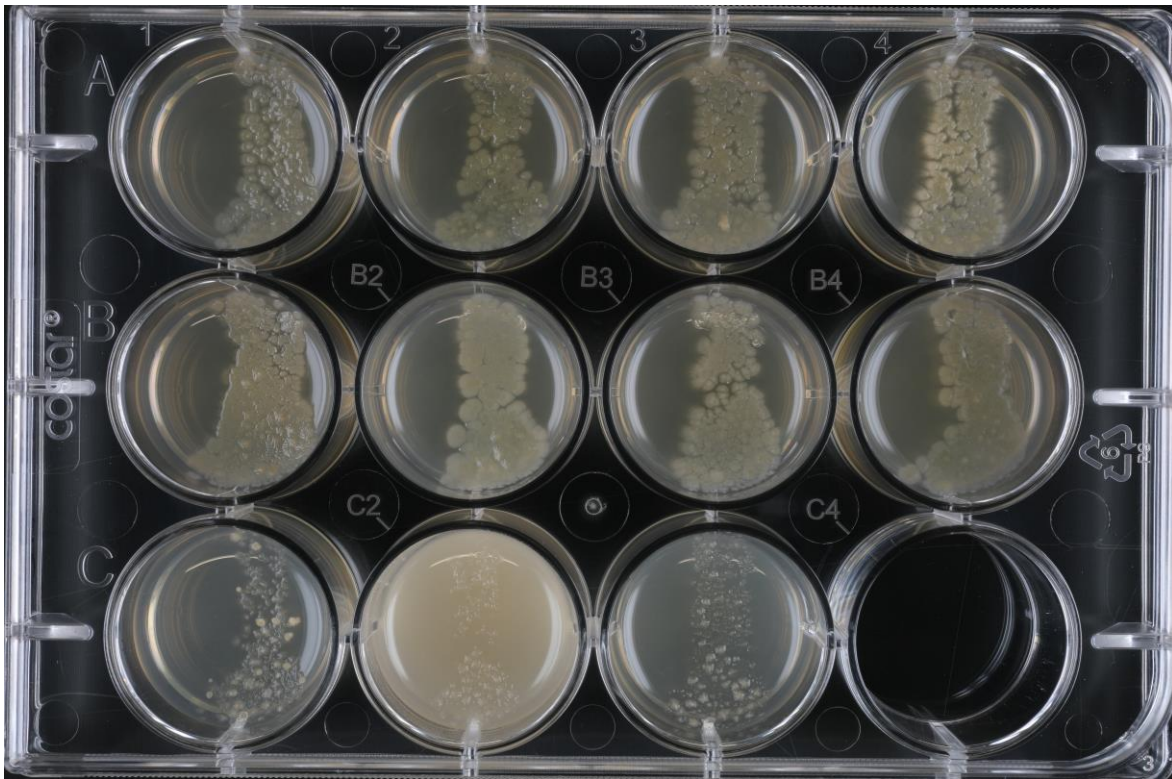
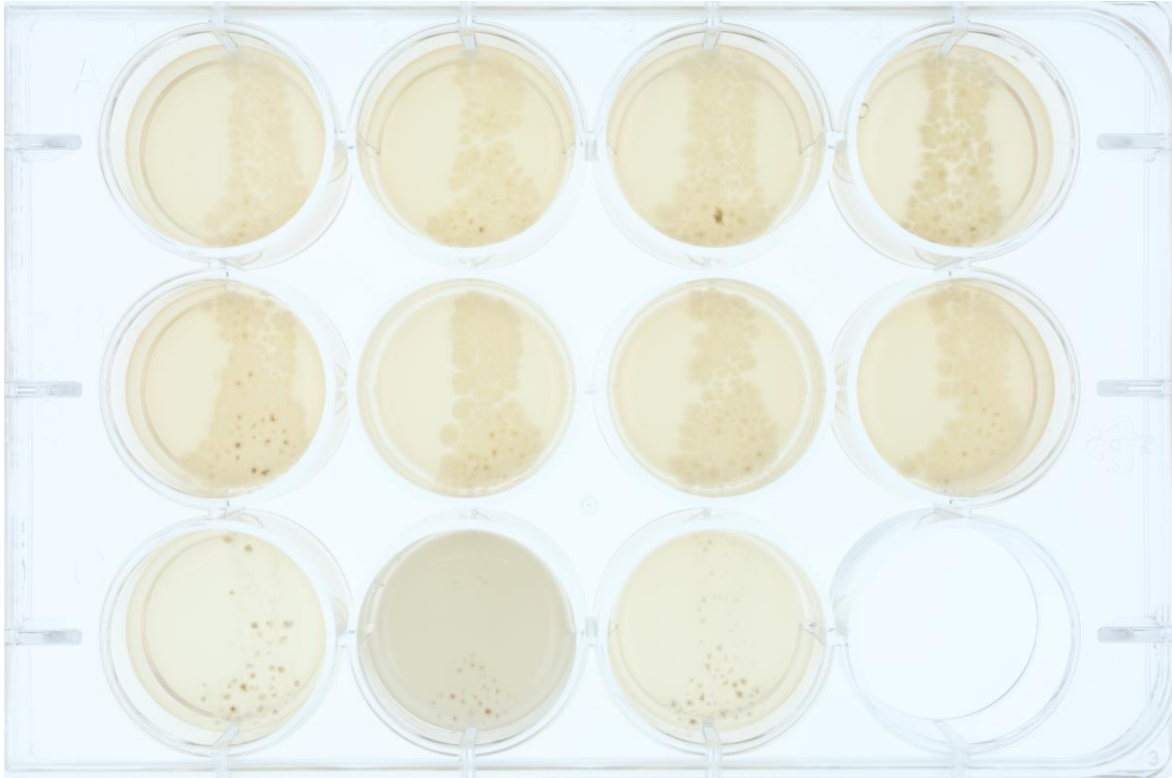
Plates (65, ISP2, ISP3, ISP4, ISP5, ISP7)



(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%)**

