

Strain		DSM 40243
Genus		<i>Streptomyces</i>
Species		<i>viridosporus</i>
Status		
Risk group		L1
Type strain		ATCC 27479; BCRC 11870; CBS 654.72; CCRC 11870; CCUG 37512; DSM 40243; IFO 13353; IMET 43514; ISP 5243; JCM 4859; KCTC 9145; NBRC 13353; NCIB 9824; NCIMB 9824; NRRL 2414; NRRL ISP-5243; RIA 1314; VKM Ac-1769; VKM Ac-618
Genbank accession number		16S rRNA gene: DQ442556
Reference		
Author		Pridham TG, Hesseltine CW, Benedict RG
Title		A guide for the classification of streptomycetes according to selected groups; placement of strains in morphological sections
Journal		Appl Microbiol
Volume		6
Page		52-79
Year		1980
Morphology		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony colour/R	1014 ivory
Agar	ISP 2 - aerial mycelium/A	Good, 9002 grey white, 7003 moss grey
Agar	ISP 2 - soluble pigment/S	None
Agar	ISP 3 - G	Good
Agar	ISP 3 - R	1002 sand yellow, 7003 moss grey
Agar	ISP 3 - A	Good, 9002 grey white, 7010 tarpaulin grey
Agar	ISP 3 - S	None
Agar	ISP 4 - G	Sparse
Agar	ISP 4 - R	1013 oyster white
Agar	ISP 4 - A	None
Agar	ISP 4 - S	None
Agar	ISP 5 - G	Good
Agar	ISP 5 - R	7002 olive grey
Agar	ISP 5 - A	Good, 9002 grey white, 7009 green grey

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Agar	ISP 5 - S	None
Agar	ISP 6 - G	Good
Agar	ISP 6 - R	1014 ivory
Agar	ISP 6 - A	Good, 9003 signal white
Agar	ISP 6 - S	None
Agar	ISP 7 - G	Good
Agar	ISP 7 - R	1011 brown beige, 6020 chrome green
Agar	ISP 7 - A	Good, 9002 grey white, 7003 moss grey
Agar	ISP 7 - S	None
Agar	suter with tyrosine - G	Good
Agar	suter with tyrosine - R	1002 sand yellow, 7003 moss grey
Agar	suter with tyrosine - A	Good, 9010 pure white, 7022 umbra grey
Agar	suter with tyrosine - S	None
Agar	suter without tyrosine - G	Good
Agar	suter without tyrosine - R	1002 sand yellow, 7003 moss grey
Agar	suter without tyrosine - A	Good, 9010 pure white, 7022 umbra grey
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 alkaline	5
Api zym	Esterase (C4)	3
Api zym	Esterase Lipase (C8)	0
Api zym	Lipase (C14)	1
Api zym	Leucin arylamidase	5

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Api zym	Valine arylamidase	1
Api zym	Cystine arylamidase	1
Api zym	Trypsin	0
Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	3
Api zym	Naphtol-AS-BI-phosphohydrolase	2
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	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



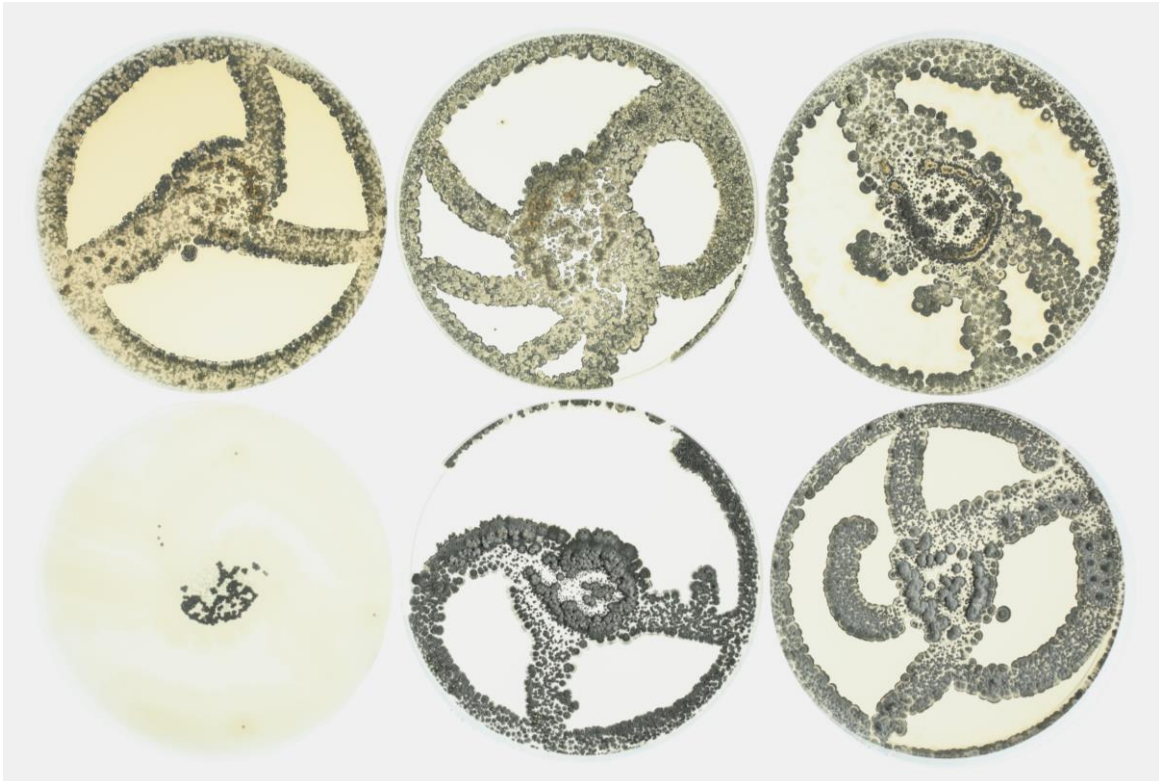
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM.

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%)

