

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

<b>Strain</b>		DSM 23562
Genus		<i>Armatimonas</i>
Species		<i>rosea</i>
<b>Status</b>		
Risk group		L1
Type strain		YO-36, NBRC 105658
Genbank accession number		16S rRNA gene: <a href="#">AB529679</a>
<b>Reference</b>		
Author		Tamaki, H., Tanaka, Y., Matsuzawa, H., Muramatsu, M., Meng, X. Y., Hanada, S., Mori, K., Kamagata, Y.
Title		<i>Armatimonas rosea</i> gen. nov., sp. nov., of a novel bacterial phylum, Armatimonadetes phyl. nov., formally called the candidate phylum OP10
Journal		Int J Syst Evol Microbiol
Volume		61 (Pt6)
Page		1442-1447
Year		2011
<b>Morphology</b>		
Agar	ISP 2 - growth/G	None
Agar	ISP 2 - colony colour/R	-
Agar	ISP 2 - aerial mycelium/A	-
Agar	ISP 2 - soluble pigment/S	-
Agar	ISP 3 - G	None
Agar	ISP 3 - R	-
Agar	ISP 3 - A	-
Agar	ISP 3 - S	-
Agar	ISP 4 - G	None
Agar	ISP 4 - R	-
Agar	ISP 4 - A	-
Agar	ISP 4 - S	-
Agar	ISP 5 - G	None
Agar	ISP 5 - R	-
Agar	ISP 5 - A	-
Agar	ISP 5 - S	-
Agar	ISP 6 - G	None
Agar	ISP 6 - R	-
Agar	ISP 6 - A	-
Agar	ISP 6 - S	-
Agar	ISP 7 - G	None
Agar	ISP 7 - R	-

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Agar	ISP 7 - A	-
Agar	ISP 7 - S	-
Agar	suter with tyrosine - G	None
Agar	suter with tyrosine - R	-
Agar	suter with tyrosine - A	-
Agar	suter with tyrosine - S	-
Agar	suter without tyrosine - G	None
Agar	suter without tyrosine - R	-
Agar	suter without tyrosine - A	-
Agar	suter without tyrosine - S	-
	Sporechains/Sporangia	
<b>Physiology</b>		
Melanin		-
pH	range	
pH	optimum	
temperature	range	
temperature	optimum	
sodium chloride tolerance		-
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	3
Api zym	Esterase (C4)	1
Api zym	Esterase Lipase (C8)	1
Api zym	Lipase (C14)	2
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	2
Api zym	Cystine arylamidase	2
Api zym	Trypsin	0
Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	2
Api zym	Naphtol-AS-BI-phosphohydrolase	0
Api zym	alpha galactosidase	0
Api zym	beta galactosidase	0
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	0

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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	-
<b>Metabolites</b>		
Antimicrobial	<i>Staphylococcus aureus</i>	
Antimicrobial	<i>Escherichia coli</i>	
Antimicrobial	<i>Micrococcus luteus</i>	
Antimicrobial	<i>Pseudomonas aeruginosa</i>	
Antimicrobial	<i>Streptomyces murinus</i>	
Antimicrobial	<i>Bacillus subtilis</i>	
Antimicrobial	<i>Candida albicans</i>	
Antimicrobial	<i>Saccharomyces cerevisiae</i>	
Antimicrobial	<i>Aspergillus niger</i>	

## APIcoryne



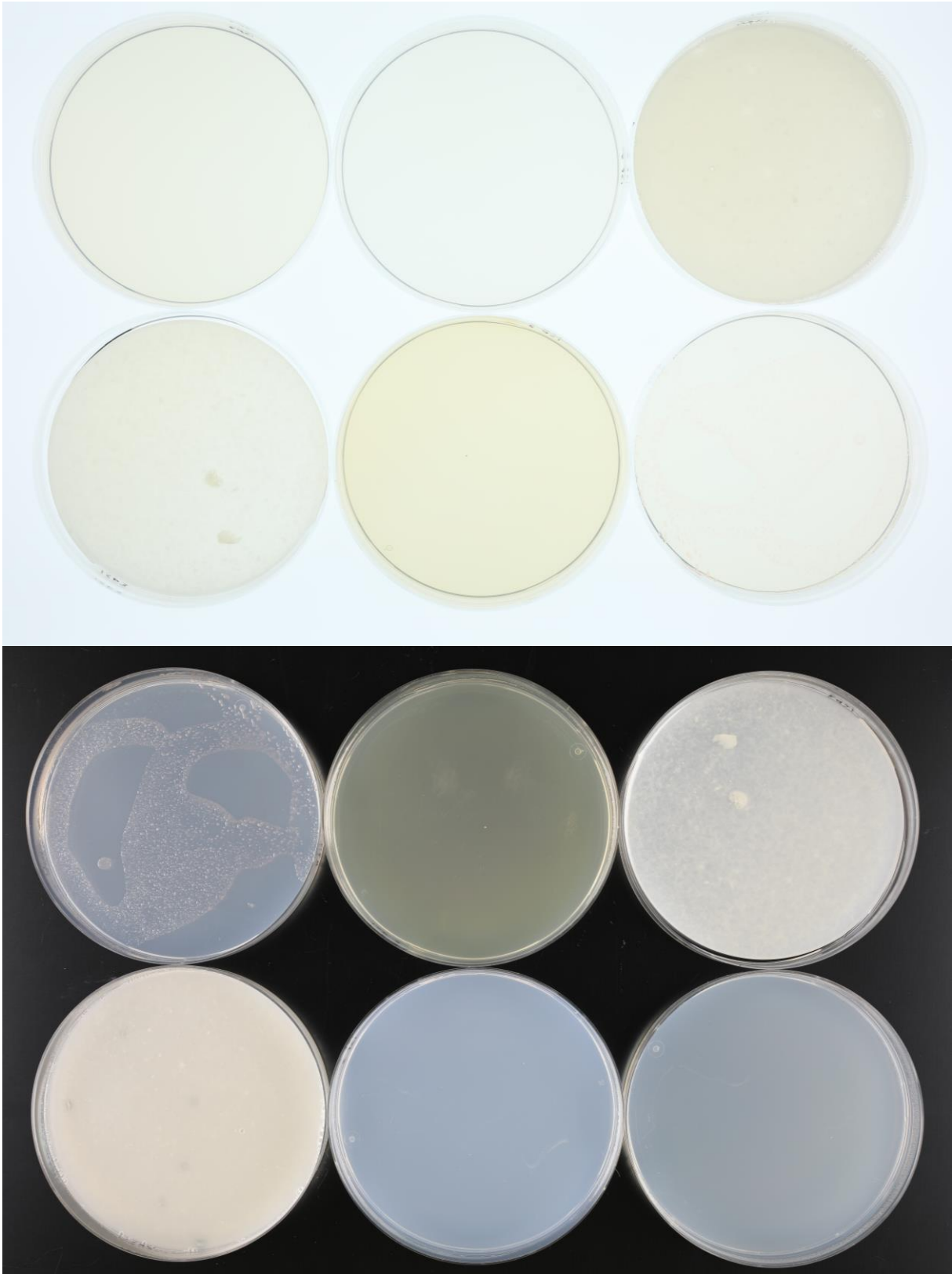
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM.

## APIzym



Abbildung 2: Apizym-Teststreifen mit Keim DSM.

**Plates (830, 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%)**