

Name: *Streptomyces afghaniensis*

Authors: Shimo et al. 1959

Status: Approved Lists

Reference(s): Int. J. Syst. Bacteriol. 30:369 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 23871, IMET 42942, DSM 40228

**Genus:** *Streptomyces*

**FH 6302**

**Species:** *afghaniensis*

**Numbers in other collections:** **DSM 40228**

Morphology:

	G	R
<u>ISP 2</u>	good	red brown
	A	SP
	cream	beige
	G	R
<u>ISP 3</u>	good	red brown
	A	SP
	agate grey	none
	G	R
<u>ISP 4</u>	good	beige
	A	SP
	agate grey	none
	G	R
<u>ISP 5</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	sepia brown
	A	SP
	none	black brown
	G	R
<u>ISP 7</u>	good	beige
	A	SP
	none	none

Spore chains:

Spore surface:

Sporangia: -

Fragmentation: -

**Melanoid pigment:** + - + -

**NaCl resistance:** %

**Lysozyme resistance:**

**pH:** Value- Optimum-

**Temperature :** Value- Optimum- 28 °C

**Carbon utilization:**

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	+	+	-	+	+	+	+	+	+

**Enzymes:**

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
-	+	+	+	+	-	+	+	+	-	+
2+	3-	4-	5-	6+	7+	8-	9+	10+	11+	
12+	13+	14+	15-	16-	17-	18-	19+	20-		

**Comments:**



***Streptomyces afghaniensis***

A and B – Agar plates medium 5006, 5265, 5315 and 5294



***Streptomyces afghaniensis***

Microplate with ISP- and melanin media