

Name: ***Streptomyces spiralis***

Authors: (Falcao de Morais 1970) Goodfellow et al. 1986

Status: New Combination

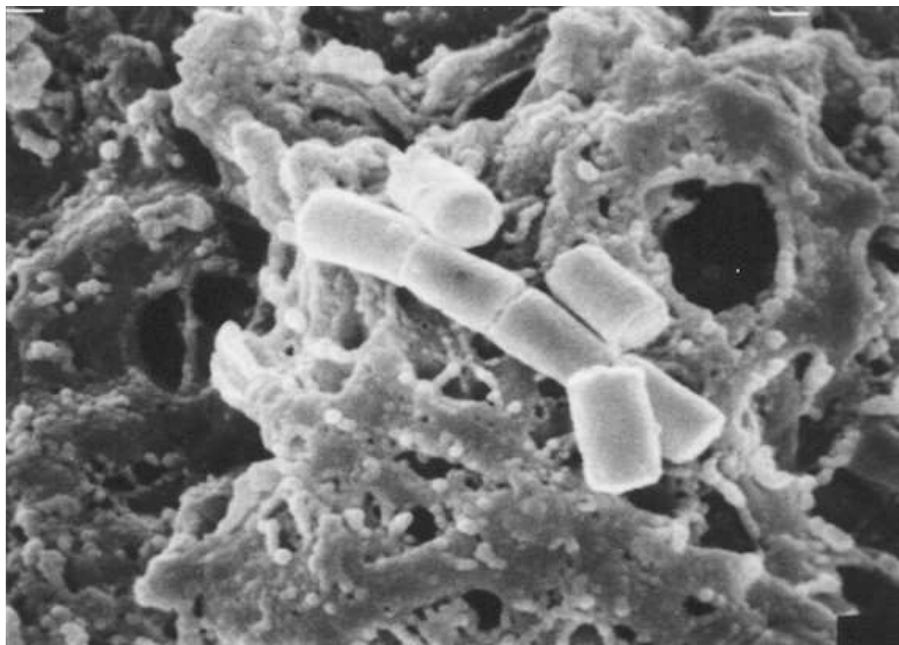
Reference(s): Int. J. Syst. Bacteriol. 36:575 (validation list)

Risk group: 1 (German classification)

Type strain: ATCC 25664, JCM 3302, KCC A-0302,
DSM 43836

Other names: *Elytrosporangium spirale* (basonym)

Author(s) Falcao de Morais, J. O.
Title *Elytrosporangium spirale*: a new species of *Actinoplanaceae*
of the genus *Elytrosporangium*.
Journal Rev. Microbiol. Brazil
Volume 1
Page(s) 83
Year 1970



Streptomyces spiralis
Smooth spores in SEM (x 10.000)

Genus: *Streptomyces*

FH 2155

Species: *spiralis*

Numbers in other collections: IMET 43558

Former name: *Elytrosporangium spiralis*

Morphology:

| | | |
|--------------|-------|-------|
| | G | R |
| <u>ISP 2</u> | good | beige |
| | A | SP |
| | white | none |
| | G | R |
| <u>ISP 3</u> | good | brown |
| | A | SP |
| | grey | none |
| | G | R |
| <u>ISP 4</u> | good | brown |
| | A | SP |
| | white | none |
| | G | R |
| <u>ISP 5</u> | good | beige |
| | A | SP |
| | white | none |
| | G | R |
| <u>ISP 6</u> | good | beige |
| | A | SP |
| | white | none |
| | G | R |
| <u>ISP 7</u> | good | beige |
| | A | SP |
| | white | none |

Spore chains: RF

Spore surface: smooth

Sporangia:

Fragmentation: +

Melanoid pigment: -

NaCl resistance: -5 %

Lysozyme resistance: -

pH: Value-

Optimum-

Temperature : Value-

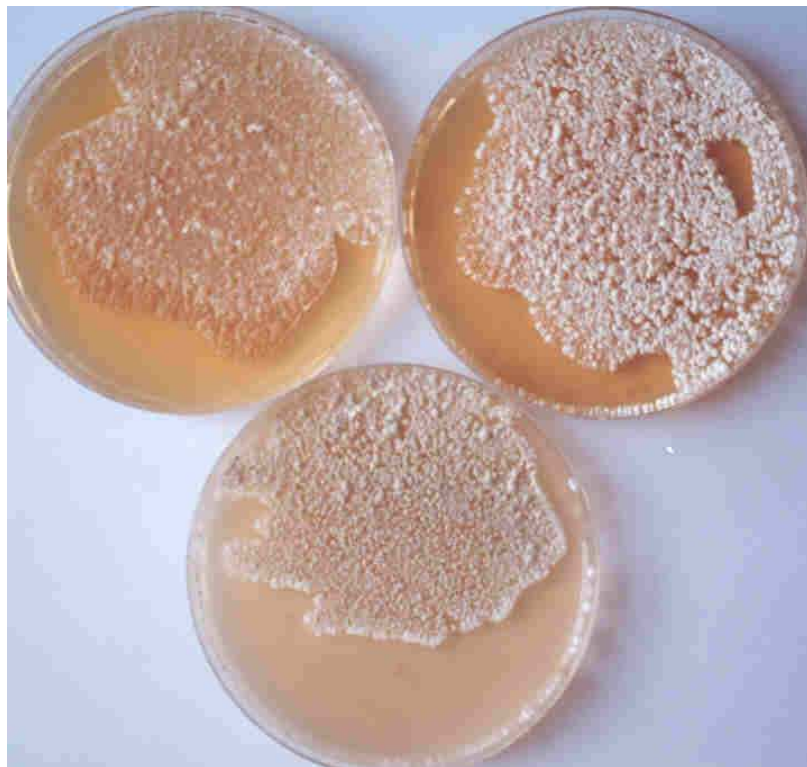
Optimum- 28°C

Carbon utilization:

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

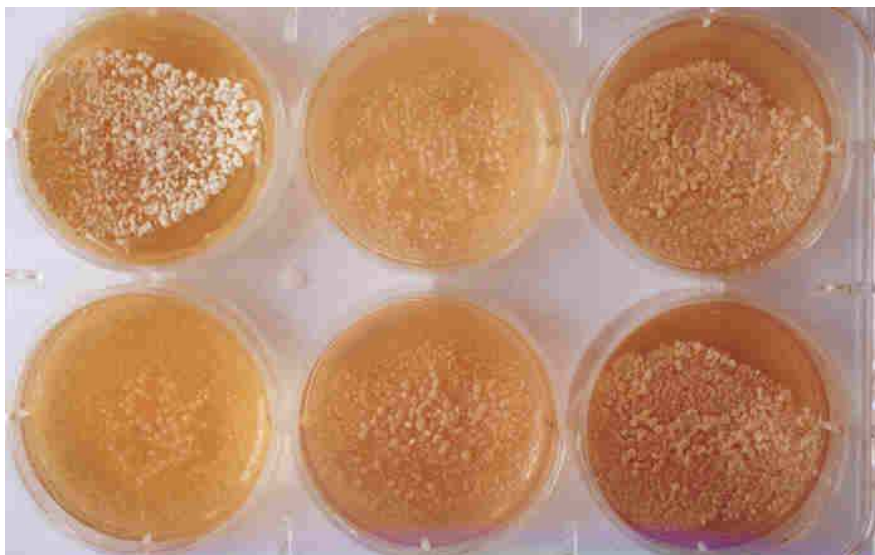
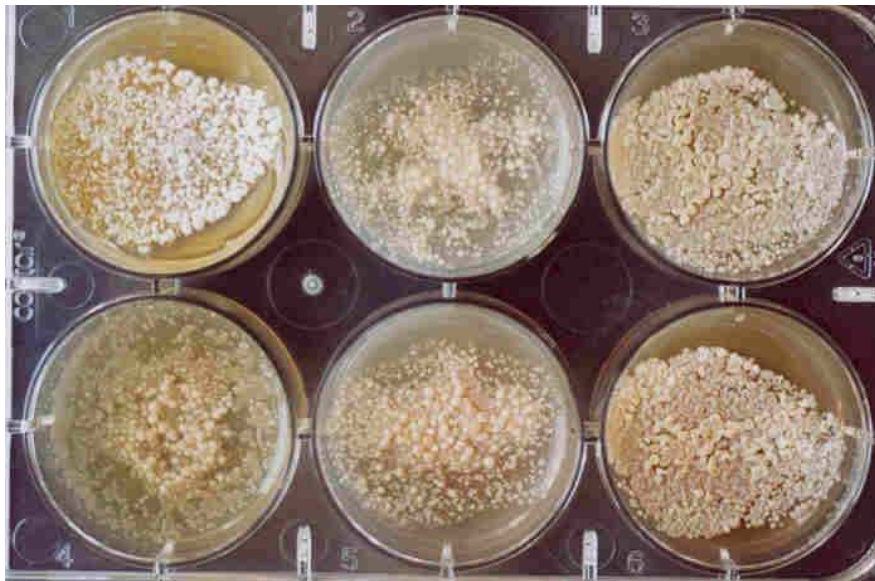
Enzymes:

| | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| Gel | Cit | Ure | Arg | Onp | Trp | Lys | Odc | VP | Ind | H2S |
| + | + | + | + | + | + | - | - | - | + | - |



Streptomyces spiralis

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



Streptomyces spiralis

C and D – Microplate with ISP- and melanin media