

Name: ***Streptosporangium yunnanense***

Authors: Zhang et al. 2005

Status: New species

Literature: Int. J. Syst. Evol. Microbiol. 55:723

Risk group: 1 (German classification)

Type strain: CCRC 16307, CCTCC AA 97009, DSM 44689

Author(s) Zhang, L.-P., Jiang, C.-L., Chen, W.-X.

Title *Streptosporangium yunnanense* sp. nov. and  
*Streptosporangium purpuratum* sp. nov., from soil in China.

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**Genus:** *Streptosporangium*

FH 6553

**Species:** *yunnanense*

**Numbers in other collections:** DSM 44663

**Morphology:**

|              |       |             |
|--------------|-------|-------------|
|              | G     | R           |
| <u>ISP 2</u> | good  | carmine red |
|              | A     | SP          |
|              | cream | rose        |
|              | G     | R           |
| <u>ISP 3</u> | good  | carmine red |
|              | A     | SP          |
|              | rose  | rose        |
|              | G     | R           |
| <u>ISP 4</u> | good  | beige       |
|              | A     | SP          |
|              | none  | none        |
|              | G     | R           |
| <u>ISP 5</u> | good  | rose        |
|              | A     | SP          |
|              | cream | rose        |
|              | G     | R           |
| <u>ISP 6</u> | good  | beige       |
|              | A     | SP          |
|              | none  | none        |
|              | G     | R           |
| <u>ISP 7</u> | good  | beige       |
|              | A     | SP          |
|              | none  | none        |

**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:**

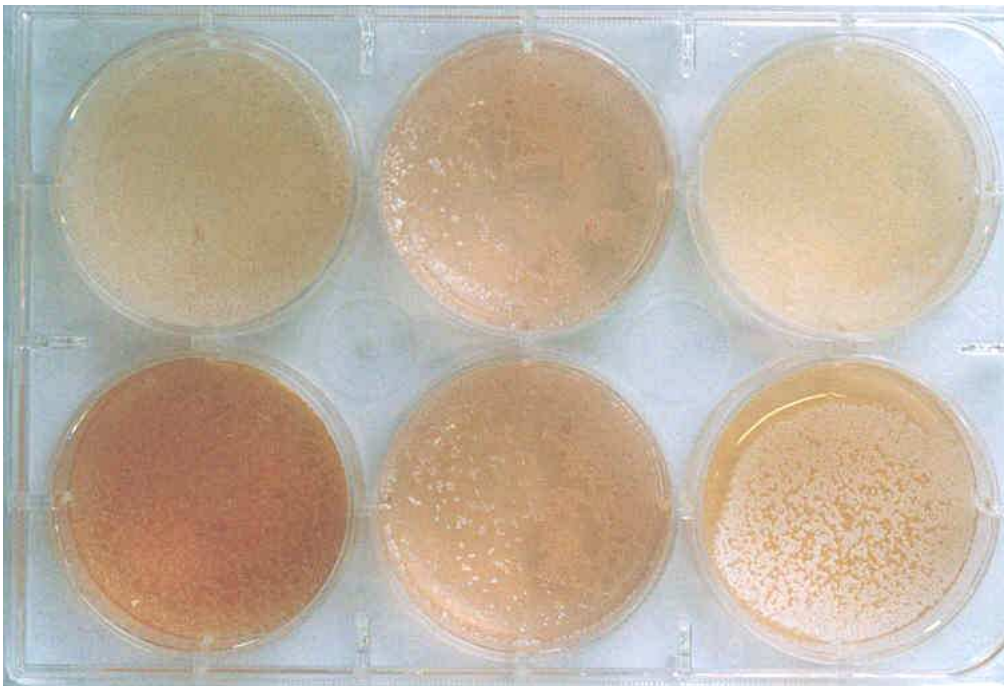
|     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2+  | 3+  | 4+  | 5-  | 6+  | 7+  | 8-  | 9-  | 10- | 11+ |
| 12+ | 13- | 14+ | 15+ | 16+ | 17+ | 18+ | 19- | 20+ |     |

**Comments:**



***Streptosporangium yunnanense***

A and B – Agar plates medium 5006 5265 and 5315



***Streptosporangium yunnanense***

C and D – Microplate with ISP-and melanin media