

Name: ***Nocardia jejuensis***

Authors: Lee 2006

Status: New Species

Reference: Int. J. Syst. Evol. Microbiol. 56:561

Risk group: 1 (German classification)

Type strain: DSM 44959, JCM 13281, N3-2, NRRL B-24430

Author: Lee, S. D.

Title: *Nocardia jejuensis* sp. nov., a novel actinomycete isolated from a natural cave on Jeju Island, Republic of Korea.

Journal: Int. J. Syst. Evol. Microbiol.

Volume: 56

Page: 559-562

Year: 2006

Genus: *Nocardia*

FH 6793

Species: *jejuensis*

Numbers in other collections: DSM 44959

Morphology:

| | | |
|--------------|--------|---------------|
| | G | R |
| <u>ISP 2</u> | good | yellow orange |
| | A | SP |
| | rose | none |
| | G | R |
| <u>ISP 3</u> | good | yellow orange |
| | A | SP |
| | cream | none |
| | G | R |
| <u>ISP 4</u> | good | yellow orange |
| | A | SP |
| | cream | none |
| | G | R |
| <u>ISP 5</u> | good | vermillion |
| | A | SP |
| | cream | none |
| | G | R |
| <u>ISP 6</u> | good | yellow orange |
| | A | SP |
| | none | none |
| | G | R |
| <u>ISP 7</u> | good | vermillion |
| | A | SP |
| | sparse | brown beige |

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:



Nocardia jejuensis

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



Nocardia jejuensis

C – Microplate with ISP- and melanin media

D – Microplate for usage of carbonhydrates