

Name: *Nocardia crassostreae*

Authors: Friedman et al. 1998

Status: New Species

Reference(s): Int. J. Syst. Bacteriol. 48:244

Risk group: 1 (German classification)

Type strain: ATCC 700418, NB4H, DSM 44597

Author(s) Friedman, C. S., Beaman, B. L., Chun, J., Goodfellow, M.,  
Gee, A., Hedrick, R. P.

Title *Nocardia crassostreae* sp. nov., the causal agent of  
nocardiosis in Pacific oysters.

Journal Int. J. Syst. Bacteriol.

Volume 48

Page(s) 237-246

Year 1998

**Genus:** *Nocardia* **FH 6269**

**Species:** *crassostreae*

**Numbers in other collections:** **DSM 44597**

**Reclassification:**

**Morphology:**

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

**Melanoid pigment:** - - - -

**NaCl resistance:** %

**Lysozyme resistance:**

**pH:** Value- Optimum-

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

**Enzymes:**

|            |     |     |     |       |      |      |      |     |     |     |  |
|------------|-----|-----|-----|-------|------|------|------|-----|-----|-----|--|
| Api Zym    |     |     |     |       |      |      |      |     |     |     |  |
| 2+         | 3+  | 4+  | 5-  | 6+    | 7(+) | 8(+) | 9+   | 10- | 11+ |     |  |
| 12-        | 13- | 14- | 15- | 16(+) | 17-  | 18-  | 19-  | 20- |     |     |  |
| Api Coryne |     |     |     |       |      |      |      |     |     |     |  |
| Nit        | Pyz | Pyr | Pal | βGur  | βGal | αGlu | βNag | Esc | Ure | Gel |  |
| -          | -   | -   | +   | -     | -    | -    | -    | -   | +   | +   |  |
| Glu        | Rib | Xyl | Man | Mal   | Lac  | Sac  | Glyg |     |     |     |  |
| -          | -   | -   | -   | -     | -    | -    | -    |     |     |     |  |

**Comments:**



***Nocardia crassostreae***

A – Agar plates media 5006, 5265 and 5315

B - Agar plate medium 5006 (detail of colony)

C – Api Zym (upper) and Api Coryne