

Genus *Nocardia*
Species *farcinica*
Subspecies
Author Trevisan 1889

Reclassification
Status valid

Type species ATCC 3318, DSM 43665, IMET 7377

Hazard group 2 (German classification)



Genus: *Nocardia*

FH 2359

Species: *farcinica*

Numbers in other collections: **DSM 43665**

Morphology:

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

Spore chains:

Spore surface: smooth

Sporangia:

Fragmentation: +

Melanoid pigment: - - - -

NaCl resistance: 2,5 %

Lysozyme resistance: 100 µg

pH: Value- 5-8 Optimum-

Temperature : Value- Optimum- 30 °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 |
| - | - | + | - | - | - | - | - | - | - | - |

Comments:



Nocardia farcinica

A and B – Agar plates medium 5265, 5315, 5317 and 5323

C and D – Agar plates mesium 5318, 5322, 5337 with and without tyrosine



Nocardia farcinica

E – NaCl tolerance on a six well micro plate

F and G – Fragmentation of vegetative aerial mycelium in SEM

F x 5.000 G x 10.000