

Name: *Corynebacterium afermentans* subsp. *afermentans*

Authors: Riegel et al. 1993

Status: New Subspecies

Reference(s): Int. J. Syst. Bacteriol. 43:291

Risk group: 2 (German classification)

Type strain: CCUG 32103, CIP 103499, DSM 44280, LCDC 88199

Author(s) Riegel, P., De Briel, D., Prévost, G., Jehl, F., Monteil, H., Minck, R.

Title Taxonomic study of the *Corynebacterium* group ANF-1 strains: proposal of *Corynebacterium afermentans* sp. nov. containing the subspecies *C. afermentans* subsp. *afermentans* subsp. nov. and *C. afermentans* subsp. *lipophilum* subsp. nov.

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### Fatty acid pattern

16 : 1 B		2,5
16 : 0		33,0
18 : 1	Cis 9	53,0
18 : 0		10,0

**Genus:** *Corynebacterium*

**FH 2749**

**Species:** *afermentans*

**Numbers in other collections:** ATCC 51403

**Morphology:**

<u>ISP 2</u>	G	R
	good	light ivory
	A	SP
<u>ISP 3</u>	none	none
	G	R
	good	light ivory
<u>ISP 4</u>	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	colorless
	A	SP
	none	none
<u>ISP 6</u>	G	R
	none	none
	A	SP
<u>ISP 7</u>	G	R
	none	none
	A	SP

**NaCl resistance:** 5 %

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

**Carbon utilization:**

Glu Ara Suc Xyl Ino Man Fru Rha Raf Cel  
no growth

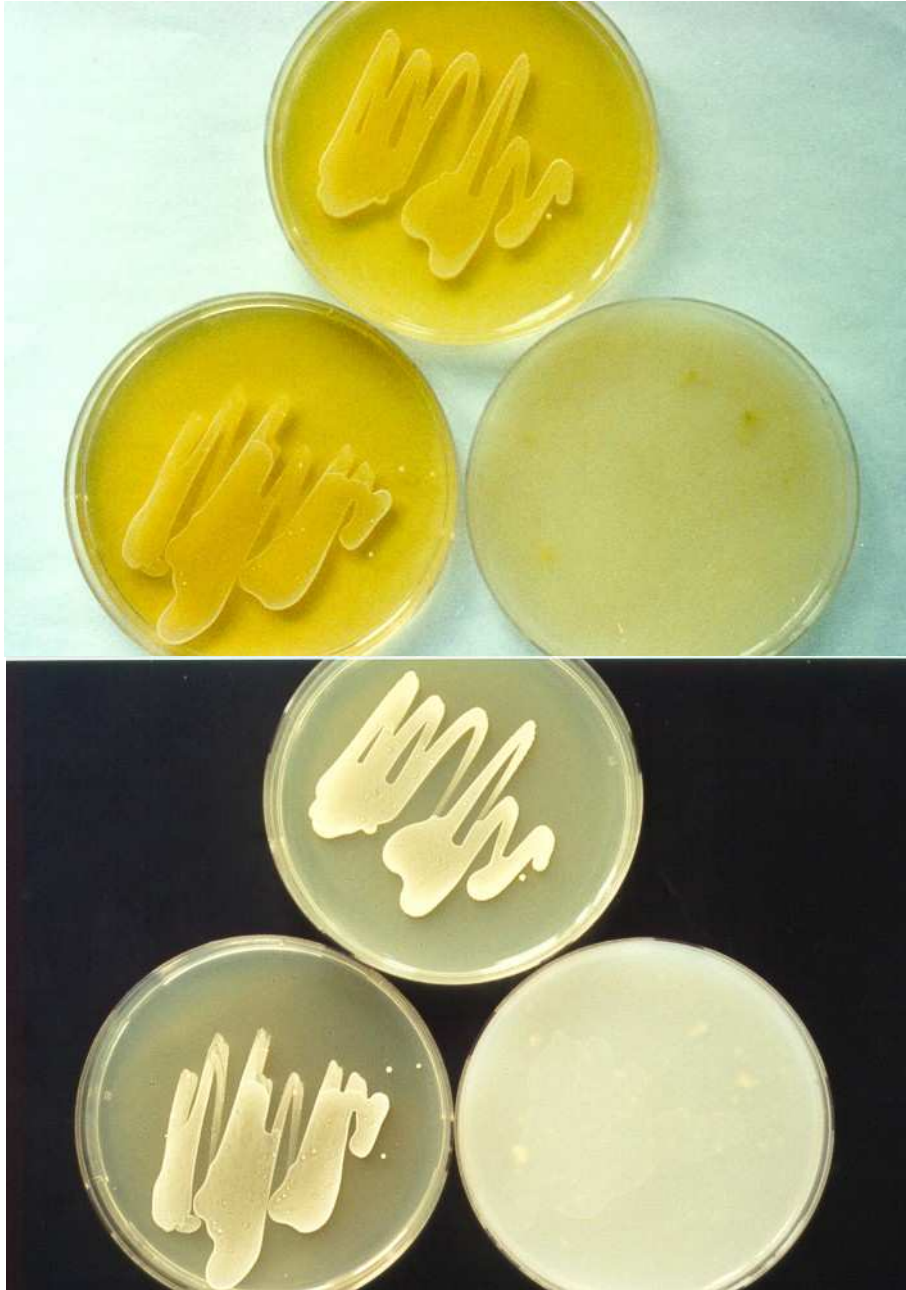
**Acid from (Api 20E):**

Glu Man Ino Sor Rha Sac Mel Amy Ara

**Enzymes:**

Api 20E	Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
ApiZym	2	3	4	5	6	7	8	9	10	11	12
	13	14	15	16	17	18	19	20			

**Comments:**



***Corynebacterium afermentans* subsp. *afermentans***

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