

Name: *Microbacterium oxydans*
Authors: (Chatelain and Second 1966) Schumann et al. 1999
Status: New Combination
Reference(s): Int. J. Syst. Bacteriol. 49:176
Risk group: 1 (German classification)
Type strain: CIP 6612, DSM 20578, NCIB 9944
Other names: *Brevibacterium oxydans* (basonym)

Author(s) Chatelain, R., Second, L.
Title Taxonomie numérique de quelques *Brevibacterium*.
Journal Ann. Inst. Pasteur (Paris)
Volume 111
Page(s) 630-644
Year 1966

Author(s) Schumann, P., Rainey, F. A., Burghardt, J., Stackebrandt, E.,
Weiss, N.
Title Reclassification of *Brevibacterium oxydans* (Chatelain and
Second 1966) as *Microbacterium oxydans* comb. nov.
Journal Int. J. Syst. Bacteriol.
Volume 49
Page(s) 175-177
Year 1999

Genus: *Microbacterium*

FH 6217

Species: *oxydans*

Numbers in other collections: DSM 20578

Basonym *Brevibacterium oxydans*

Morphology:

	G	R	
<u>ISP 2</u>	good	beige	
	A	SP	
	none	none	
	G	R	
<u>ISP 3</u>	good	zinc yellow	
	A	SP	
	none	none	
	G	R	
<u>ISP 4</u>	sparse		beige
	A	SP	
	none	none	
	G	R	
<u>ISP 5</u>	sparse		beige
	A	SP	
	none	none	
	G	R	
<u>ISP 6</u>	sparse		beige
	A	SP	
	none	none	
	G	R	
<u>ISP 7</u>	sparse		beige
	A	SP	
	none	none	

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

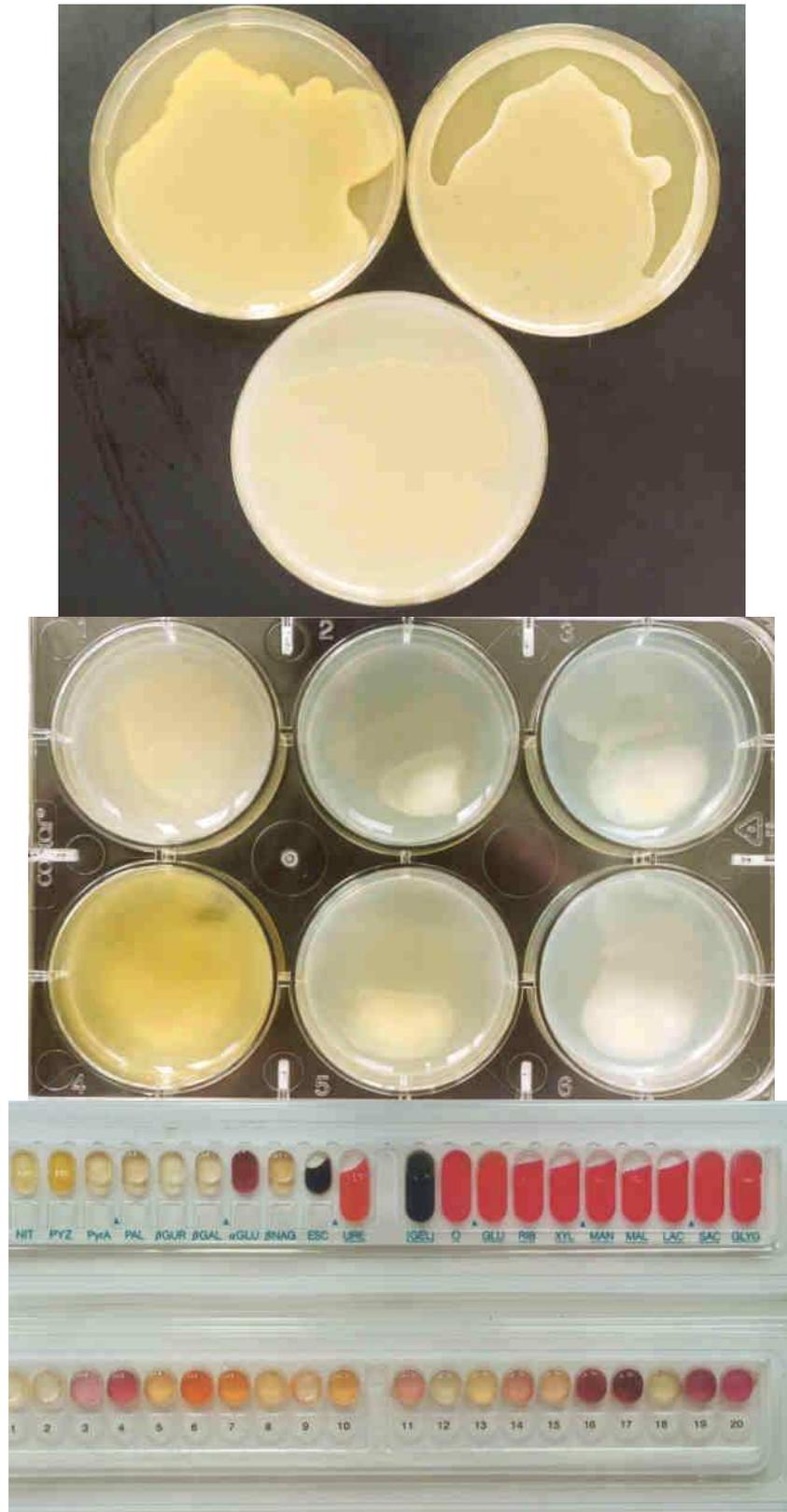
pH: Value- Optimum-

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: Good growth on medium 5006 (zinc yellow)



Microbacterium oxydans

A – Agar plates media 5006, 5265 and 5315

B – Microplate with ISP- and melanin media

C – Api Zym (lower) and Api Coryne