

SUPPLEMENTARY MATERIALS

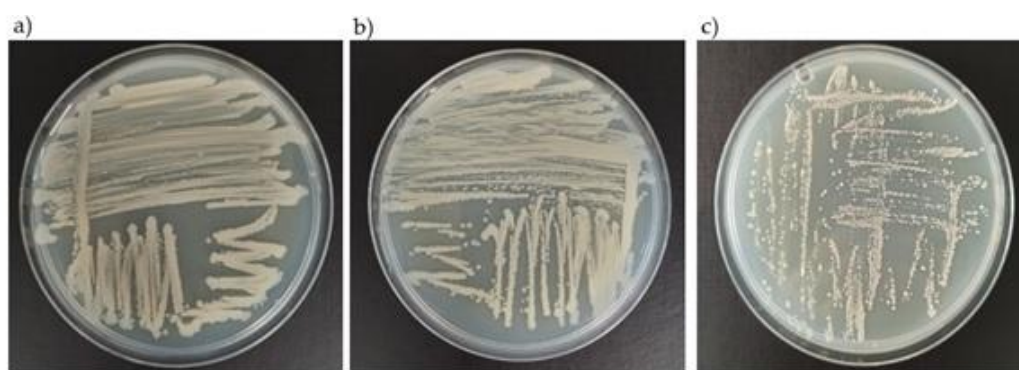


Fig. S1. Growth of *Bacillus* spp. on Plate Count Agar medium a) AF75AB2, b) Sp115AD, c) Sp116AC at 23°C after 24 h incubations.

S2. Detailed recipe for mineral medium enriched with acid whey (pH 5.5).

Mineral Medium enrichment with acid whey (pH 5.5) (MMW)

Final medium with whey (2%) (MMW)

200 ml – Minimal Salt Solution

1,5 ml – CaCl_2 solution (132 mM)

10 ml – Trace Mineral Solution

1,5 ml – $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ solution (1M)

1,5 ml – $\text{FeCl}_2 \cdot 4\text{H}_2\text{O}$ solution (68 mM)

20 g – acid whey (pH 5.5)

- Into 1l water total volume, autoclave 121°C – 20 minute

• Minimal Salt Solution

33,9 g/l Na_2HPO_4 ,

15g/l KH_2PO_4 ,

5g/l NH_4Cl ,

2,5g/l NaCl .

- Into 1l water total volume, autoclave 121°C – 20 minute

• Trace Mineral Solution:

$\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$ – 0,5 mM

ZnCl_2 – 1,2 mM

$\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$ – 0,27 mM

$\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$ – 0,23 mM

$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$ – 0,23 mM

- Prepare in sterile, MilliQ water, protect from light.

Important notes:

Amend the pH medium to 6-6.5. After sterilization, the medium develops a tea-like coloration.