

Table 1S. Modified DSMZ (broth) culture medium (reduction of FeSO₄ concentration, 7H₂O): the ingredients of each solution are under distilled water. Solution A is brought to a boil for a few minutes and then brought back to room temperature under N₂. Solutions B and C are added. The pH is adjusted to 7.8 with NaOH. The distribution is done under nitrogen in anaerobic tubes. The medium must be agitated without inter-ruption to keep the grey precipitate suspended during this distribution. Finally, the whole is autoclaved for 15 min at 121°C.

Solution A	Concentration (g/L)	CAS #
di-Potassium hydrogen phosphate trihydrate (K ₂ HPO ₄ •3H ₂ O)	0.5 g	16788-57-1
Ammonium chloride (NH ₄ Cl)	1.0 g	12125-02-9
Sodium sulfate (Na ₂ SO ₄)	1.0 g	7757-82-6
Calcium chloride (CaCl ₂ •2H ₂ O)	0.1 g	10035-04-8
Magnesium sulfate heptahydrate (MgSO ₄ •7H ₂ O)	2.0 g	10034-99-8
(D,L)-Sodium lactate	2.0 g	867-56-1
Yeast extract	1.0 g	8013-01-2, Biometric
Resazurin sodium salt	0.001 g	62758-13-8
Distilled water	980 mL	
Solution B		
Iron(II) sulfate heptahydrate (FeSO ₄ •7H ₂ O)	0.5 g	7782-63-0
Distilled water	10.0 mL	
Solution C		
Sodium thioglycolate	0.1 g	367-51-1
Ascorbic acid	0.1 g	50-81-7
Distilled water	10.0 mL	

Table 2S. Composition of reconstituted saliva, final pH: 7.3 0.2. Ingredients are dissolved in one litre of distilled water. The medium is degassed at N₂ and autoclaved for 15 minutes at 121°C.

Reconstituted saliva	Concentration (mg/L)	CAS #
(D,L)-Sodium lactate	2000	867-56-1
Ammonium chloride (NH ₄ Cl)	1000	12125-02-9
Ascorbic acid	100	50-81-7
Di-sodium hydrogen phosphate (Na ₂ HPO ₄)	260	7558-79-4
Magnesium sulfate monohydrate (MgSO ₄ •H ₂ O)	1000	14168-73-1
Monobasic potassium phosphate (KH ₂ PO ₄)	200	7778-77-0
Potassium chloride (KCl)	1200	7447-40-7
Sodium bicarbonate (NaHCO ₃)	1500	144-55-8
Sodium chloride (NaCl)	6790	7647-14-5
Sodium thioglycolate	100	367-51-1
Yeast Extract	100	8013-01-2, Biometric

All products are from Merck unless specified.