505. FORMIVIBRIO MEDIUM

Solution A:		
KH_2PO_4	1.40	g
NH_4Cl	0.50	g
$MgCl_2$ x 6 H_2O	0.20	g
$CaCl_2$ x 2 H_2O	0.15	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Distilled water	940.00	ml
Solution B:		
Trace element solution SL-10 (see medium 320)	1.00	ml
Solution C:		
Selenite-tungstate solution (see medium 385)	1.00	ml
Solution D:		
Vitamin solution (see medium 141)	10.00	ml
Solution E:		
Na_2CO_3	1.50	g
Distilled water	30.00	ml
Solution F:		
Na_3-citrate x 2 H_2O	3.00	g
Distilled water	10.00	ml
Solution G:		
Na_2S x 9 H_2O	0.30	g
Distilled water	10.00	ml

Sparge *solution A* with 80% N_2 and 20% CO_2 gas mixture for 30 – 45 min to make it anoxic, distribute under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. S*olutions B, D* and *G* are autoclaved separately under 100% N_2 gas. *Solutions C* and *F* are prepared under 100% N_2 gas and sterilized by filtration. *Solution E* is autoclaved und 80% N_2 and 20% CO_2 gas atmosphere. To complete the medium appropriate amounts of s*olutions B* to *G* are added to the sterile *solution A* in the sequence as indicated. Adjust pH of complete medium to 7.5 - 7.8 with a sterile anoxic stock solution of Na_2CO_3, if necessary.

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For DSM 6139 use instead of citrate (*solution F*) 10 mM sodium cinnamate (or 0.2% sucrose or 0.2% sodium pyruvate) as substrate and supplement the medium with 0.05 g/l of yeast extract. Sterilize substrates separately. Adjust pH of the complete medium to 7.7 - 7.9.

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