

**195c. DESULFOBACTER SP. MEDIUM (LACTATE)****Solution A:**

Na <sub>2</sub> SO <sub>4</sub>	3.00	g
KH <sub>2</sub> PO <sub>4</sub>	0.20	g
NH <sub>4</sub> Cl	0.30	g
NaCl	21.00	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	3.00	g
KCl	0.50	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.15	g
Selenite-tungstate solution (see medium 385)	1.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
Distilled water	920.00	ml

**Solution B:**

Trace element solution SL-10 (see medium 320)	1.00	ml
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**Solution C:**

Na <sub>2</sub> CO <sub>3</sub>	1.50	g
Distilled water	30.00	ml

**Solution D:**

Na-L-lactate	2.50	g
Distilled water	10.00	ml

**Solution E:**

Vitamin solution (see medium 141)	10.00	ml
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**Solution F:**

Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.40	g
Distilled water	10.00	ml

*Solution A* is sparged with 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas mixture to reach a pH below 6 (at least 30 min), then distributed under the same gas atmosphere in anoxic Hungate-type tubes or serum vials and autoclaved. *Solutions B, D* and *F* are autoclaved separately under 100% N<sub>2</sub> gas. *Solution C* is autoclaved under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas atmosphere. *Solution E* is prepared under 100% N<sub>2</sub> gas atmosphere and sterilized by filtration. To complete the medium appropriate amounts of *solutions B* to *F* are added to the sterile *solution A* in the sequence as indicated. Final pH of the medium should be 7.1 - 7.4.

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*Note: Addition of 10 - 20 mg sodium dithionite per liter (e.g. from 5% (w/v) solution, freshly prepared under N<sub>2</sub> and filter-sterilized) may stimulate growth at the beginning. For transfers use 5 - 10% (v/v) inoculum.*

For [DSM 9120](#), [DSM 10141](#), [DSM 17456](#), [DSM 19275](#) and [DSM 100016](#) supplement medium with 1.00 g/l yeast extract added to the autoclaved medium from a sterile anoxic stock solution.

For [DSM 11974](#) supplement medium with 1.00 ml/l seven vitamins solution (see medium 503) added to the autoclaved medium from an anoxic stock solution sterilized by filtration.

For [DSM 14728](#) supplement medium with 0.50 g/l Na-acetate added to the autoclaved medium from a sterile anoxic stock solution.

For [DSM 14982](#) supplement medium with 5.00 g/l Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> x 5 H<sub>2</sub>O added to the autoclaved medium from an anoxic stock solution sterilized by filtration.

For [DSM 16109](#) and [DSM 17464](#) supplement medium with 2.00 g/l Casamino acids (DIFCO) and 2.00 g/l Trypticase peptone (BD BBL) added to the autoclaved medium from sterile anoxic stock solutions.