

291. PYROBACULUM NEUTROPHILUM MEDIUM

Prepare medium 88 without yeast extract, then add per liter:

Sulfur, powdered	8.0	g
Resazurin	0.4	mg

Adjust pH to 6.5 with NaOH, bring to boil for 5 min, then cool to room temperature under H₂ + CO₂ (80% + 20%) gas mixture. Add 0.85 g NaHCO₃ per liter and equilibrate the pH to c. 6.5 by further gassing.

Dispense in serum bottles (10 ml/30 ml bottle), seal and heat the bottles for one hour at 85°C on each of three successive days.

Before inoculation, add from anaerobic stock solutions 0.02% yeast extract (for mixotrophic growth only) and 0.01 ml Na-dithionite solution (250 mg Na-dithionite/10 ml dist. water, filter-sterilized). After inoculation, pressurize to 1 bar H₂ + CO₂ overpressure.