938. ST21 AGAR FOR CELLULOSE DEGRADERS

Solution A:
- $\text{K}_2\text{HPO}_4$ 1.0 g
- Yeast extract (Difco) 20.0 mg
- Agar 14.0 g
- Tap water 600.0 ml

Solution B:
- $\text{KNO}_3$ 1.0 g
- $\text{MgSO}_4 \times 7\text{H}_2\text{O}$ 1.0 g
- $\text{CaCl}_2 \times 2\text{H}_2\text{O}$ 1.0 g
- $\text{MnSO}_4 \times 7\text{H}_2\text{O}$ 0.1 g
- Tap water 300.0 ml

Solution C:
- $\text{FeCl}_3$ 0.2 g
- Tap or distilled water 100.0 ml

Autoclave solutions separately and combine after cooling to 50°C. A slight precipitate does not restrict agar quality. Adjust pH to 7.2 with KOH using pH indicating paper strips before pouring plates. Place 3-4 strips of filter paper (ca 1 cm$^2$) on the gelated plates and inoculate the filter strips.