

IMK + Soil Extract

Into 100 mL seawater dissolve 21 mg powder medium of Daigo IMK (Nihon Pharmaceutical Co., Ltd.). Thereafter, 2 mL Soil extract is added. In the NIES-Collection, IMK + Soil Extract medium is used after autoclaving (121°C, 20 min).

Soil extract

To 1000 mL distilled water add 200 mL of soil (soil from undisturbed deciduous woodland is best) and heat by autoclaving for 1 h at 105°C. When cool, heat by autoclaving for 1 h at 105°C again. Pass the supernatant through a GF/C filter and Celite, and then pass the filtrate through a GF/F filter. Adjust to 1000 mL by adding distilled water. Dispense 10 mL of the final filtrate into each test tube and sterilize by autoclaving for 20 min at 121°C. Keep in a cool place.

Reference

Provasoli, L., McLaughlin, J. J. A., Droop, M. R. 1957 The development of artificial media for marine algae. *Arch. Mikrobiol.*, **25**, 392-428.