APPENDIX

Appendix I

Preparation of gel, gel slides and reagents.

One litre of a stock solution was prepared 5 to 10 g/litre agar or agarose and 0.5 g/litre sodium azide (as antiseptic) in buffer solution. A barbitone buffer having PH 8.6, 60 mmol/litre, ironic strength 0.05 mol/litre (1.84 g diethyl barbituric acid and 10.3 g sodium diethyl barbiturate/litre) was used. To dissolve the stock solution, it was heated on a boiling water bath for an hour, with shaking every 10 minutes.

On a previously levelled sheet of glass plate, 12 glass microscope slides (76 x 26 mm) were placed. Using a warmed fast delivery pipette, 2 ml of molten medium on to each slide was layered. This liquid poured on slides, was allowed to set and slides were stored in a moist chamber at room temperature.