

101: S/W + Ca

Final pH: 7.0 - 8.0

Final volume: 1000 ml

Mail sol. C101

Soil (air-dried, sieved, garden loam)	traces	g
CaCO ₃	0.01	g

1. Put a layer about 1 cm deep of air-dried, sieved good calcareous garden loam into a test tube or jar. (The use of mud from rivers or ponds is rarely satisfactory.) Carefully add deionised water to a depth of 7 to 10 cm, plug or cover, and steam for one hour or autoclave for 15 minutes at 15 psi (longer for larger vessels) on each of 2 consecutive days; further sterilisation is not needed. Allow to stand for a further day before inoculating, when the pH should be between 7.0 - 8.0.

2. S/W is prepared as above, but approximately 0.01 g calcium carbonate is placed into the base of the test tube before adding the soil and water.