

105. GLUCONOBACTER OXYDANS MEDIUM

Glucose	100.0	g
Yeast extract	10.0	g
CaCO ₃	20.0	g
Distilled water	1000.0	ml

Adjust pH to 6.8.

Add 15 g/l for solid media.

20 g calcium carbonate in the medium serves as a buffer. The calcium carbonate will settle in agar plates before the agar has set, producing an opaque layer in the bottom. As the strain grows and acid is produced this will react with the calcium carbonate, causing it to dissolve and form zones of clearing immediately below the colonies. In liquid culture the calcium carbonate also forms a sediment that clears as acid is produced.