

(ii). Protoplasts culture in solid medium

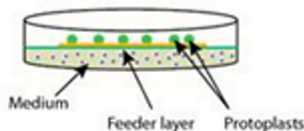
- Once immobilized, protoplast embedded in alginate matrix or agarose beads can be cultured on solid or liquid medium to give better success rate of regeneration.
- The alginate or the agarose provides cellular protection against mechanical stress and gradients in environmental conditions during the critical first few days of protoplast culture.

★ 3. Hanging droplet method:

- In this method, small drops (40-100 μ L) of protoplast suspension are placed on the inner side of the lid of a petri dish.
- When the lid is applied to the dish, the culture drops are hanging or suspended from the lid.
- This method allows culture of fewer protoplasts per droplet than the conventional droplet technique

4. Feeder layer:

- In many cases, minimum plating density of protoplast are required for a given protoplast preparation. A feeder layer consisting of X-ray irradiated non-dividing but living protoplast are plated in agar medium in petri dishes.
- Protoplasts are plated on this feeder layer at low density in a thin layer of agar medium.
- This method is useful when particular mutant or hybrid cells are to be selected on agar medium.



(iii). Protoplasts culture with feeder layer

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If you want notes on a particular topic do email me the topic at sunildhasmana142@gmail.com