

PROTOCOL

Petaka coating with Gelatin

1



Prepare 10 Petakas ready to be used with a couple of stands.

2

Prepare a sterile 30 mL syringe, and Celartia's tips.



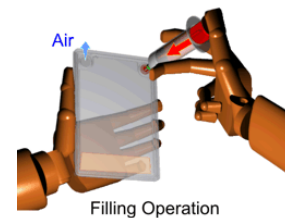
3



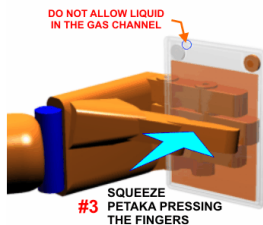
Prepare 20 ml of the appropriate concentration of Gelatin solution in media (RPMI1640, EMEM, DMEM, or others).

4

Introduce the 20 mL of Gelatin into a Petaka.



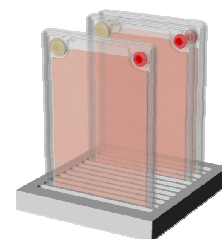
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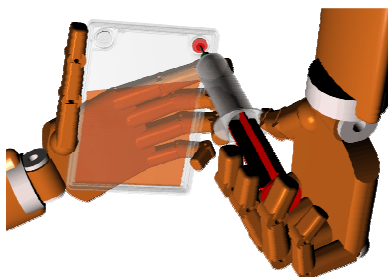
Squeeze the Petaka until the media reaches the upper limit of the Petaka chamber, and hold 10 seconds.

6

Leave Petaka in a vertical position for between 1 to 10 minutes (must not exceed 10 minutes).

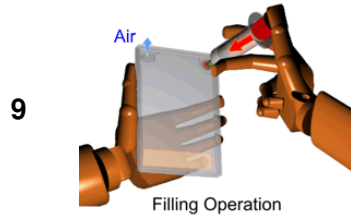
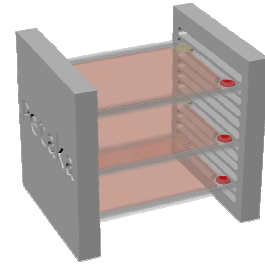


7



Slowly withdraw the Gelatin solution from Petaka.

- 8 Put the Petaka in a completely horizontal position whilst all Petakas are being prepared



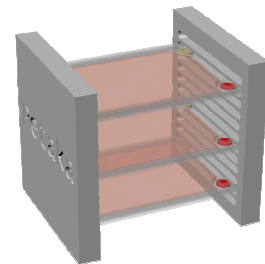
Introduce the residual Gelatin solution into the next Petaka.

- 10 Squeeze the new Petaka until the media reaches the upper limit of the Petaka chamber, and hold 10 seconds.
Repeat the steps 5 to 9 for the remaining Petakas



Notice that each Petaka treated will reduce the volume of Gelatin solution by around 2 to 3 mL. Therefore it is possible to treat efficiently about 5 Petakas covering about 80% of the available culture surface of the Petaka's chamber, which will lead to a residual 5 to 10 mL of Gelatin solution that could be saved at -80°C , until it is reused

- 11 Incubate Petakas, in a horizontal position, at 37°C for 1 hours before rinsing with PBS



- 12 Inject 22ml of cold PBS, squeeze till the PBS reaches the upper limit & then withdraw immediately & repeat with all remaining Petakas

