

## Growth medium preparation

For cell culture experiments, we cultured HeLa cells in Dulbecco's Modified Eagle Medium (DMEM) supplemented with 10 % fetal bovine serum (FBS) and 1 % penicillin/streptomycin (P/S).

### Material

- 500 mL Dulbecco's Modified Eagle Medium (DMEM) (Sigma Aldrich)
- 50 mL fetal bovine serum (FBS)
- 5 mL penicillin/streptomycin (P/S)

### Procedure

All steps are performed in a sterile environment – we always worked within a biosafety cabinet, but using a laminar flow hood or clean bench is also possible.

1. Open the fresh DMEM bottle.
2. Add 50 mL FBS and 5 mL P/S.
3. Mix thoroughly by inverting the bottle a few times.
4. Use directly or store at 4°C.

### Notes

- Always wear a labcoat and gloves.
- Clean the hood, your gloves and all the material which you are about to use with 70 % ethanol before starting your work/putting consumables under the sterile hood to prevent any possible contamination.
- Only open your medium bottle within a sterile environment to keep it sterile and to prevent any possible contaminations.