PROTOCOL: Preparation of cellulose microbeads

Material and chemicals:

Cellulose microbeads IONTOSORB MT 100 (50-80 μm)
PBS buffer
A heat block

Workflow:

1. Calculate the amount of cellulose microbeads you will need for further experiments. Adjust the number of Eppendorf tubes with 0.5 ml of microbeads according to your needs.

2. Transfer 0.5 ml of cellulose microbeads from the storage container to a 1.5 ml Eppendorf tube.

3. Let the cellulose microbeads sediment for 15 minutes.

4. Discard the supernatant.

5. Place the opened tubes into a heat block at 50 °C for 15 minutes to evaporate the residual ethanol.

6. Add 0.5 of PBS buffer to each tube.

7. Mix well so that the whole volume of the pellet gets washed.

8. Let the cellulose microbeads sediment for 15 minutes.

9. Discard the supernatant.

10. Repeat the steps 6 to 9 two more times.

11. Resuspend the cellulose microbeads in 200 μl of PBS buffer.

12. Use the prepared cellulose microbeads for further experiments.