

## Bacterial Cellulose Dehydration

### Introduction

Since bacterial cellulose (BC) pellicles produced by *Komagataeibacter rhaeticus* are composed of around 98% water, dehydrating them before use in experiments is essential to know the real mass of cellulose in the pellicle.

### Reagents

-  Wet BC pellicles

### Equipment

-  Filter paper
-  Dehydrator

### Procedure

1. Place pellicles of BC from 50 mL cultures onto filter paper evenly so they don't touch.
2. Place filter paper with pellicles into dehydrator trays and dehydrate for 12 hours at 95°F.
3. Remove filter paper and dried BC from dehydrator and peel the samples from the filter paper to obtain dehydrated BC.