

Plate Reader measurements for *B. subtilis*

This protocol was written for the use with a 96-well plate reader from BioTek

- 5 ml LB medium were inoculated 1:1000 (v/v) with 5 µl fresh overnight culture
- When OD₆₀₀ reached 0,2 they were diluted to an OD₆₀₀ of 0,001 or 0,05 with the same medium as used for over-night culture
- We used 96 well plates (costar) and the plate reader *Synergy2* (BioTek)
- Each well was charged with 100 µl of this diluted culture, one well contained medium as a control
- Cultures were growing for 15 to 30 hours under 37°C and agitation
- Growth was measured every 10 minutes at a wavelength of 600nm (OD₆₀₀).
- The luminescence was measured every 10 minutes
- If induced the experiment was interrupted at an OD₆₀₀ of about 0,18 and the cultures were induced with e.g. bacitracin of different concentrations (0 µg/ml; 0,1 µg/ml; 0,3 µg/ml; 1 µg/ml; 3 µg/ml; 10 µg/ml; 30 µg/ml; 100 µg/ml; 300 µg/ml)