This protocol is based on the technical guide from Biolog

- grow the strain of interest on a BUG+B (Biolog Universal Growth Medium + 5 % Sheep blood) agar plate by streaking out for single colonies
- incubate overnight at 37 °C
- pick single colonies with sterile swab
- transfer them into sterile tube containing 10 ml 1.0x IF-0a (mix 8 ml 1.2x IF-0a with 2 ml sterile H_2O) to adjust transmittance to 42 %. This creates solution A.
- mix 144 µl Dye Mix A for Gram-negative bacteria and 1.856 ml sterile H_2O with 8 ml 1.2x IF-0a solution. This creates solution B.
- mix 1.8 ml of solution A with 9 ml of solution B to achieve a final cell density of 85 % transmittance. This creates solution C.
- inoculate Biolog PM plate (96 wells) with 100 µl suspension C per well
- incubate loaded plate for 48 h in the OmniLog PM system

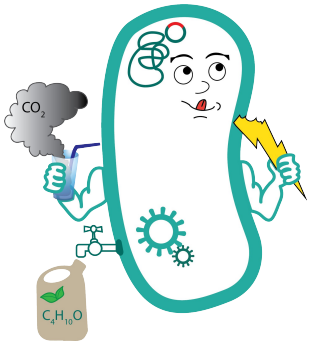

foto: sebastian kaulitzki