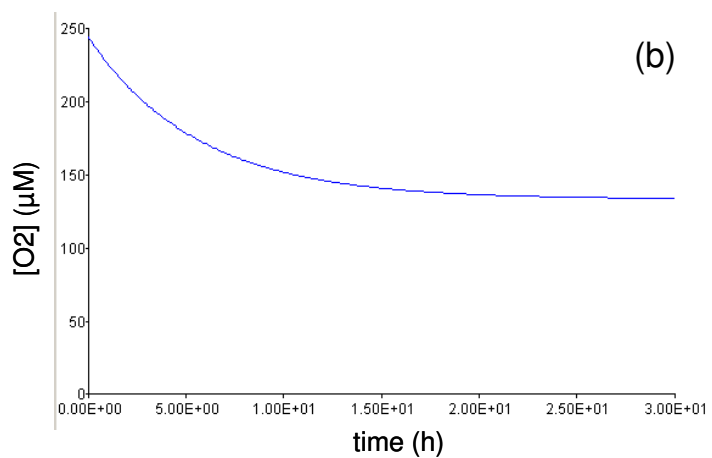
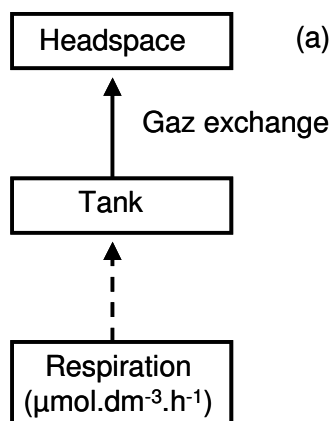


Figure 1: experimental setup used to estimate the flux of oxygen diffusion from headspace to culture medium (a), dynamic of O₂ concentration (b) and dynamic of O₂ flux between headspace and medium (c) by considering the average O₂ consumption rate from oxygraph measurements in the experiment P (250 μM.h⁻¹, see text) and the equation of gas transfer.



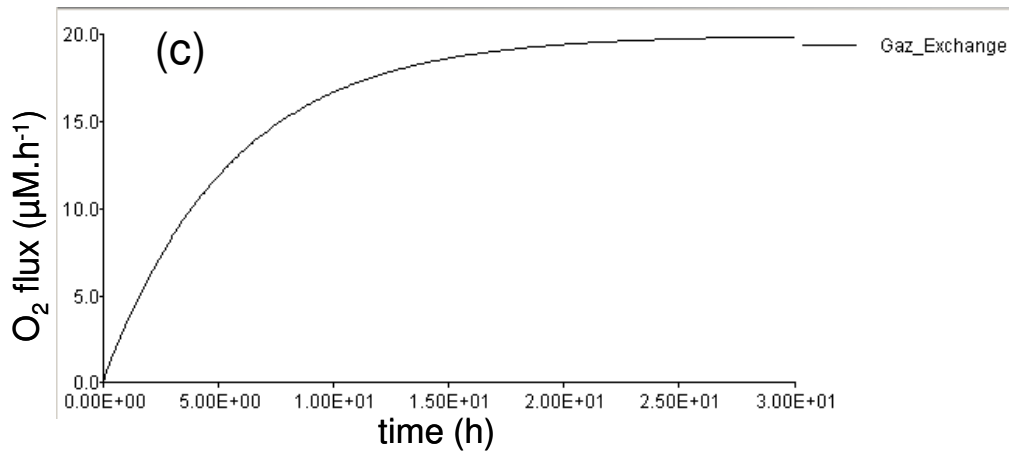


Figure 2: experimental setup used to estimate the flux of oxygen diffusion from headspace to culture medium (a), dynamic of O₂ concentration (b) and dynamic of O₂ flux between headspace and medium (c) by considering the O₂ consumption rate from the mass balance equation for the experiment P (18 µM.h⁻¹, see text) and the equation of gas transfer.

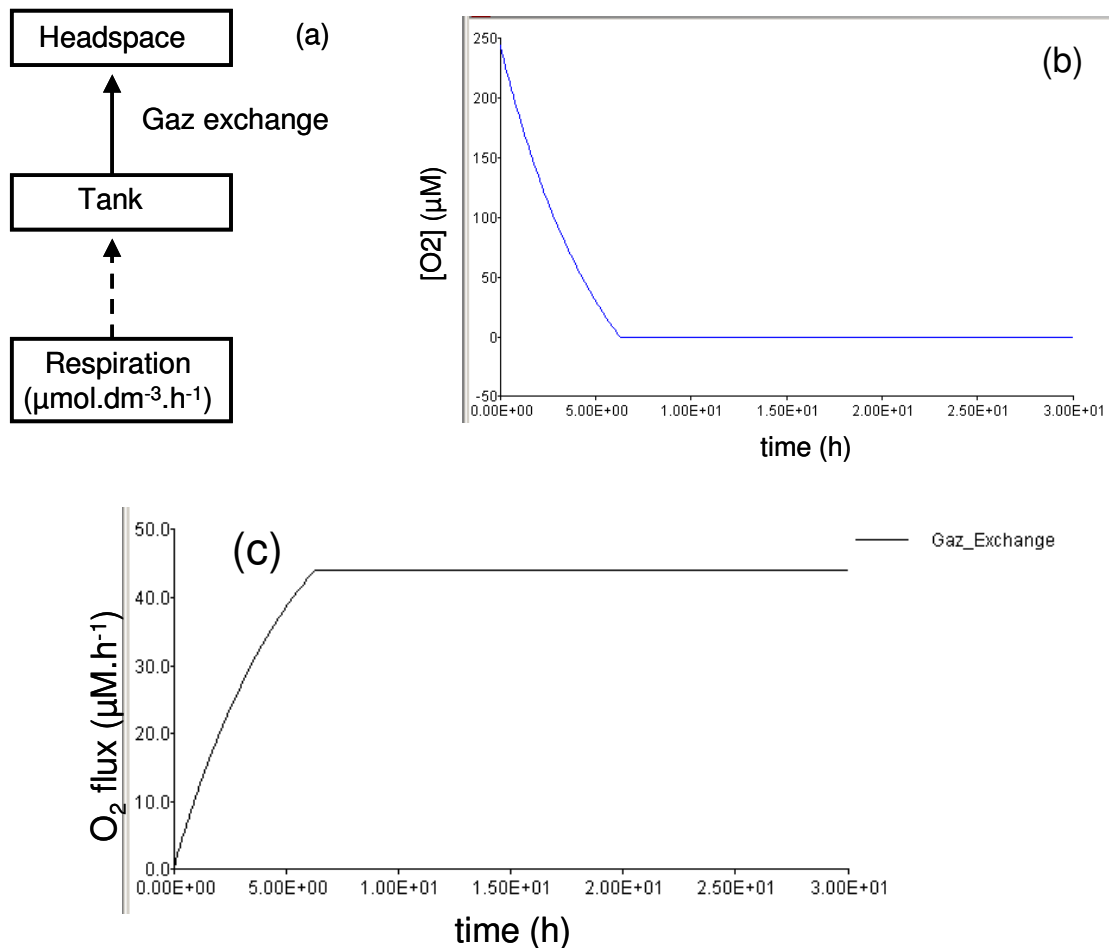


Figure 3: experimental setup used to estimate the flux of oxygen diffusion from headspace to culture medium (a), dynamic of O₂ concentration (b) and dynamic of O₂ flux between headspace and medium (c) by considering the O₂ consumption rate from the mass balance equation for the experiment B (65 µM.h⁻¹, see text) and the equation of gas transfer.