

# Correction to A Flow Cytometry Based Oligotrophic Pollutant Exposure Test to Detect Bacterial Growth Inhibition and Cell Injury

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To our shame, the formulas for population growth and decay modeling were not correctly presented in our original article on p 5821. The proper formulas and the corresponding meaning of used symbols are displayed below. We apologize for this lack of attention from our side. The wrong typesetting does not in any way influence the outcome of the modeling results.

## ■ POPULATION GROWTH MODELING

Population growth was modeled as a combination of decrease in cell numbers during a predefined lag phase and increase during the subsequent time period in discrete time intervals. The decay function during lag phase was expressed empirically as follows:

$$N_t = N_{t-Dt} \times 0.2^{\Delta t/DR}$$

With  $N_t$  being the total number of cells per mL at time  $t$ ,  $N_{t-\Delta t}$  the total number of cells per mL at time  $t - \Delta t$ ,  $\Delta t$  the time interval (in h), and DR a fitted death rate constant (h). Exponential growth subsequently to the lag phase was modeled using

$$N_t = N_{t-Dt} - N_{t-Dt} \times LF + N_{t-Dt} \times LF \times 2^{(\Delta t/g)}$$

With LF being the fraction of cells alive at time  $t$ , and  $g$  the generation time (h).