Table 2. Model variables

Parameter	Name	Typical value
x_{max}	x size of the field	800 μm
y_{max}	y size of the field	400 μm
N	No. of bacteria	$8 \times 10^4 = \rho \times x_{max} \times y_{max}$
dx	x discretization step	<0.3 μm
dy	y discretization step	<0.3 μm
h	Time step	3 sec
t_{max}	Time length of the process	2×10^4 sec