TABLE 1. *Release of cell walls from Staphylococcus aureus by disruption of the cells in a Braun shaker with glass beads*[a]

Shaking time	Viable count	Cells remaining[b]	Walls released[c]	Optical density[d]
min	%	%	%	%
0	100	100	0	100
0.6	1.8	32	53	50
1.5	0.014	15	83	27
2.6	3×10^{-4}	4.1	93	13
4.0	1×10^{-4}	1.1	96	7.7
5.0	7×10^{-5}	0.2	100	6.3

[a] Cell and cell-wall gradient patterns were prepared as in Fig. 2, and dry weights were calculated by comparison with the standard patterns used to prepare Fig. 3.

[b] The percentage of cells remaining was calculated from the dry weights; the initial dry weight of the cells was assumed to be 100%.

[c] The dry weight of cell walls determined after all traces of cells had disappeared was considered to be 100%.

[d] The per cent optical density (OD) at 660 mμ $= \frac{(100)\ (\text{final OD at 660 m}\mu)}{\text{starting OD at 660 m}\mu}$.