

**Table 5** Membrane potentials changes of *Listeria monocytogenes* or *Salmonella typhimurium* cell suspensions in response to a high hydrostatic pressure treatment. Late log phase cell suspensions of *L. monocytogenes* strain Scott A or *Salm. typhimurium* strain Mutton ATCC 13 311 (approximately  $10^9$  cfu ml<sup>-1</sup>) were diluted (1 : 5) in phosphate (pH 7.0) or citrate (pH 5.6) buffer (50 mmol l<sup>-1</sup>), and pressure-treated for 10 min at 20 °C. Reference suspensions were not pressure-treated

Bacteria	Suspension buffer	Pressure treatment (MPa)	Membrane potential (mV)
<i>Listeria monocytogenes</i>	Sodium citrate	Reference	-86 ± 11
		275	-41 ± 1
		325	-34 ± 8
		400	-5 ± 2
	Phosphate	Reference	-60 ± 14
		350	-54 ± 11
		425	-34 ± 7
		600	-10 ± 5
<i>Salmonella typhimurium</i>	Sodium citrate	Reference	-90 ± 4
		200	-72 ± 4
		275	-38 ± 7
		350	-4 ± 1
	Phosphate	Reference	-81 ± 2
		250	-46 ± 6
		325	-41 ± 11
		400	-3 ± 2

Triplicate measurements were obtained for *L. monocytogenes* and *S. typhimurium*. The values are means ± standard deviations.