

Supplementary Material 4

1 **pH of BHI medium before and after cultivation of *F. tularensis* subsp. *holarctica* strain FSC200**

pH of the medium before cultivation ^a	pH after 16 / 40 h of cultivation ^b
7.4	~7.5
6.8	~7.5
6.3	~7.0
5.8	~7.0
5.3	~6.0 (16 h) / ~7.0 (40 h)
4.8	~5.0
4.3	~4.5

^a pH of BHI medium was adjusted with HCl.

^b pH of the culture media after cultivation was checked using pH indicator strips (range 2.0–9.0, Macherey-Nagel, #92118) with accuracy of 0.5.