ONLINE ISSN : 1882-5982
PRINT ISSN : 1340-8267

Japanese Journal of Food Microbiology
Vol. 24 (2007) , No. 4 pp.178-182

[PDF (1042K)] [References]

Study of Simple and Rapid Detection of *Salmonella* spp. Using VIDAS
Second Report; The New Protocol with Unique Enrichment Broth

Naoko NAKAZATO[1)], Yoshiaki YABIKU[1)], Yuko UEMA[1)], Keisuke FUKUMURA[1)], Kazuyuki UCHIDA[2)], Susumu SAWAGUCHI[2)] and Hiroshi NAKAGAWA[3)]

1) Okinawa Environmental Research & Technology Center
2) bioMerieux Japan Ltd.
3) BML Food Science Solutions, Inc.

(Received June 1, 2007)
(Accepted September 19, 2007)

Abstract
In our previous report, we evaluated and reported some VIDAS protocols for the detection of *Salmonella*. In this report, we evaluated the new additional protocol “Easy SLM” with “SX broth”, a new unique enrichment broth. This method needs about 2 days to complete the total protocol, 1-2 days less than the conventional culture method. We tested 77 food samples with and without artificial inoculation with *Salmonella* strains. The positive rate for each method of testing food samples with and without artificial inoculation of *Salmonella* strains were almost the same, and as a result, the sensitivity and specificity of the Easy SLM protocol and the conventional culture method were equal. Therefore, the Easy SLM protocol is useful for routine quality control for the detection of *Salmonella* because of its rapidity, ease of handling and automation for standardization.

Key words:
Salmonella, mini VIDAS, Easy SLM