



हाफकिन प्रशिक्षण, संशोधन व चांचणी संस्था
(सोसायटीज रजिस्ट्रेशन अंकात १८६० अधिनियमानुषंगे नोंदणी गुंत)
Haffkine Institute For Training, Research & Testing
(Registered under Societies Registration Act, 1860)

HI/BY-R/5795

4 SEP 2001

1.

Report on the effect of stainless steel on the growth of bacterial species present in the water stored in stainless steel water storage tank (submitted by M/s. Trivedi Industrial & Research Associates (Pvt.) Ltd., Mumbai - 400 104, vide their letter No. T/V/SS/175, dated: July 31, 2001).

Sample: Stainless Steel Water Storage tank.
Capacity: 100 liters.

The test cultures:

1. *E. coli* (ATCC - 10148)
2. *S. typhi* (NCTC - 786)
3. *Ps. aeruginosa* (Fisher's Immunotype IV)

Test procedure: The tank was filled (Approximately $\frac{3}{4}$ of the tank capacity) dechlorinated tap water. The water was inoculated with a fixed number of organisms as indicated in a 0 day column of the table given below and the viable count of such organism in water was made after 3 days and 7 days of storage of water in the tank as shown below in the table.

Results:

Sr. No.	Organism	Viable count of organism inoculated water stored in the tank after different period.		
		On 0 day (initial viable count)	after 3 days	after 7 days
1.	<i>E. coli</i> (ATCC-10148)	8.2×10^3	7.1×10^3	5.0×10^3
2.	<i>S. typhi</i> (NCTC-786)	7.5×10^3	6.2×10^3	4.0×10^3
3.	<i>Ps. aeruginosa</i> (Fisher's immunotype IV)	5.0×10^2	2.0×10^2	7.0×10^1

contd. on pg. 2..

अ. दोंदे मार्ग, परळ,
- ४०० ०९२ (भारत)

दूरध्वनी/Tel : 4160947, 4160961, 4160962
: 4161785, 4113037

फॅक्स/Fax : 4161787; तार/Telegram Research, Mumbai

ई.मेल/E mail : [REDACTED]
मेल/Email : [REDACTED]

Address :
Achyarya Donde Marg,
Parel,
Mumbai 400 012 (India)

CERTIFIED TRUE COPY

For Trivedi Industrial & Research Associates (P.) Ltd.,

Signatory