



THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION

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Address all correspondence to the Director

Centre of Excellence for Medical Textiles

Biotechnology Laboratory

XXVII/ /16

23/Dec/16

TEST REPORT

Customer details:

M/S. Livinguard Technologies,
Livinguard Technologies Ag
Alte Strinhausstrasse 1, 6330
Cham/Zug
Switzerland

Sample : Fabric
Sample code : B1600047
Received on : 10.11.16
No .of Samples : 2

Test Name : *In vitro* cytotoxicity

TEST RESULTS

Sample No.	BT 145
Sample Name	Saafkins treated (0 th wash)
	Saafkins treated (60 th wash)

1. Cell culture

Source of cell line : NCCS

Justification : L929 is an established and well-characterized cell line that has demonstrated reproducible results.

Culture medium : Minimum essential medium supplemented with foetal bovine serum

2. Test details

Assay method and Rationale : MTT assay

(As requested by the customer)

Test sample preparation : PBS



IMPORTANT

This report is strictly CONFIDENTIAL. Samples are not drawn by the laboratory. Its use for publicity, arbitration or as evidence in legal disputes is forbidden. The results relate to the sample supplied by the client. The report shall not be reproduced except in full, without the written approval of the laboratory.



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M/S.Livinguard Technologies dated on 10.11.2016 **Address all correspondence to the Director**

3. Test procedure

An *in vitro* cytotoxicity test method was performed for the given test sample as per ISO 10993:5. The culture medium from the L929 monolayer was replaced with fresh medium. Test sample in duplicates were added on the cells. After incubation at 37±1°C for 18 hrs, MTT were added in all the wells and incubated for 4 hrs. After incubation, DMSO were added in the wells and read at 570 nm using photometer. Cytotoxicity and cell viability were calculated by below formula.

$$\text{Cytotoxicity} = \frac{[(\text{Control} - \text{Treated}) / \text{Control}] * 100}{}$$

$$\text{Cell viability} = \frac{(\text{Treated} / \text{Control}) * 100}{}$$

4. Observation

Sample code	Sample Particulars	Cytotoxicity (%)	Cell viability (%)	Cytotoxic Reactivity
145	Saafkins treated (0 th wash) 50µl	0	>99	None
	Saafkins treated (0 th wash) 75µl	0	>99	None
	Saafkins treated (0 th wash)100µl	0	>99	None
	Saafkins treated (60 th wash)50µl	0	>99	None
	Saafkins treated (60 th wash)75µl	10	90	None
	Saafkins treated (60 th wash)100µl	15	85	None

5. Result

As per ISO 10993:5 the test sample Saafkins treated (0th & 60th wash) showed *None cytotoxic* reactivity to L929 cells after 24hr contact. Control gave none cytotoxic reactivity as expected.

End of the Report

Authorized Signatory
(Dr. E. Santhini, SSO)



Head - CoE Medical Textiles)

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