

**List of test parameters that can be tested in
SITRA microbiology laboratory**

S. no.	Test parameter	International standards applied	Minimum sample required		
			Fabric length (in metre)	Yarn weight (in grams)	Water quantity (in ml)
1.	Soil burial test	AATCC-30, Part 1	0.5	-	-
2.	Bacterial filtration efficiency test	ASTM-F-2101	0.5	-	-
3.	Actibacterial evaluation - qualitative	AATCC 147	0.25	-	-
4.	Antibacterial evaluation - quantitative	AATCC 100	0.25	50	-
5.	Antibacterial evaluation - quantitative	Kirby – Bauer susceptibility	0.25	50	-
6.	Antibacterial evaluation - quantitative	JIS-L-1902	0.25	50	-
7.	Antibacterial evaluation - quantitative	ASTM-E-2149	0.25	50	-
8.	Antifungal evaluation - qualitative and quantitative	AATCC 30, Part 3	0.25	50	-
9.	Bioburden analysis (Aerobic, Fungal, spore)	In-house method	0.5	-	-
10.	Total colony count	APHA 20 th edition – 9215B	0.25	50	100
11.	Most probable number of faecal coliforms	APHA 20 th edition – 9221B, 9221E, IS1622	0.25	50	250