

ENVIRONMENTAL MONITORING SERVICE

Surface Monitoring with Swab Method

Table 1: Colony findings according to areas

Area	Method	Benchmark Guidance Value
Hospital	Contact plates (ACC 37°C/48h)	≤ 2.5 CFU/cm ²
	Contact plates (TBC)	From ≤ 5 CFU/plate (operating room and other critical environment) to ≤ 50 CFU/plate (ICU-Intensive Care Unit, neonatology)
	Swabs (ACC 48h)	≤ 2.5 CFU/cm ²
Dental practices	Contact plates (TBC 36°C/48h)	≤ 0.64 CFU/cm ² (acceptable) 1.48 CFU/cm ² (alert)
	Swabs (TBC 36°C/48h)	≤ 1 CFU/cm ²
Pharmaceutical clean rooms	RODAC plates (TBC 30-35°C/48h, then 20-25°C/72h)	Class A1: < 1 CFU/plate (walls and benches) Class B1 and B2: < 5 CFU/plate (walls); < 10 CFU/plate (benches) Class C: < 25 CFU/plate (walls); < 50 CFU/plate (floor) Class D1 and D2: < 50 CFU/plate (floor and walls)
	Swabs	Class A2: < 1 CFU/swab
Food preparation areas (surfaces and tools)	Contact plates (25.8 cm ² 20-25°C/48h)	< 150 CFU/plate (before sanitization)
	Contact plates (TBC)	≤ 10 CFU/cm ² (after sanitization)
	Contact plates (TBC 30°C/48h; TFC 25°C/120h)	0 ≤ CFU/plate ≤ 2 (very good) 3 ≤ CFU/plate ≤ 9 (good) 10 ≤ CFU/plate ≤ 29 (satisfactory)
	Swabs (TBC)	0 ≤ CFU/100 cm ² ≤ 8 (very good) 12 ≤ CFU/100 cm ² ≤ 36 (good) 37 ≤ CFU/100 cm ² ≤ 116 (satisfactory)

Legend: TBC – Total Bacterial Count; ACC – Aerobic Colony Count; CFU – Colony Forming Unit. Size per RODAC plate = 25cm²



Email us at info.kl@viroxylabs.com to discuss our Environmental Monitoring Service further