

# TEST REPORT

## Microbial Removal Efficiency of Tacky Mats

**80% OF CONTAMINATION ENTERS YOUR CRITICAL AREA AT GROUND LEVEL**

### Task

Determine the removal efficiency of environmental microbes from cart wheels using **Cleanroom Supplies** disposable tacky mats



### Reduce:

- Contamination
- Particles
- Microbes
- The risk to your **Business and Reputation**

A dirty area of concrete floor was selected for sampling. Two clean sanitized cart wheels were rolled along the floor side-by-side for a distance of 10 inches. One cart wheel was then rolled along the surface of an agar plate containing tryptic soy agar (TSA). This sample was designated Run #1 Dirty. The second wheel was rolled along the width (18") of a **Cleanroom Supplies** peel-off sticky mat, then rolled along the surface of an agar plate. This sample was designated Run #1 Clean. The cart wheels were then cleaned with 70% isopropyl alcohol and reused for two additional test runs.

Agar plates were incubated at 30-35 degrees C for 48 hours and colony-forming units counted at 24 hour intervals. Microbial removal efficiency was calculated for each run by comparing clean and dirty counts.

### Results:

Run Reference	Cfu Without Mat (Dirty)	Cfu With Mat (Clean)	Microbial Removal Efficiency
Run # 1	24	1	95.8 %
Run # 2	34	0	100 %
Run # 3	30	0	100 %
Average Efficiency			<b>98.6 %</b>

### Conclusion

**98.6% of the viable microbes picked up by the plastic cart wheels were removed by rolling the wheels across the width of the Cleanroom Supplies tacky mat**

