

Divergent Flowers Reports Zero CFUs After a High-Humidity Event in Bloom

Real-world customer-reported case study for ProGuard sales and customer education use.

Overview

Divergent Flowers reported two METRC-tested samples from a ProGuard-protected room. Both passed microbial testing with zero CFUs. This was especially notable because one sample reportedly failed water activity, and the grow also experienced RH above 95% for roughly five hours during mid bloom after a power failure shut off the dehumidifier. The ProGuard unit and circulation fans remained running on a different circuit. [@divergent_flowers](#)

0 CFUs

Microbial results

Two METRC-tested samples passed

>95% RH

Humidity event

Approx. 5 hours mid-bloom

No impact

Quality & terpenes

No adverse effects reported

Active

Air + surfaces

Sanitization moves into the room

The challenge

Indoor cannabis rooms are vulnerable when humidity spikes, dehumidification fails, or airflow changes. In this case, lights and dehumidifiers shut down for roughly five hours, with RH above 95% during bloom.

The ProGuard role

ProGuard and fans were on a different circuit and remained operating. The customer highlighted the active technology because it sends sanitization into the room instead of only treating air that passes through a machine.

The reported result

Both samples passed microbial testing with zero CFUs reported. The customer also noted no adverse effects to plant quality or terpenes and described ProGuard as an added layer of mitigation.

Case study takeaway

This real-world example shows how ProGuard can support a cultivation facility during unexpected environmental stress. Even after a dehumidifier power failure caused RH to rise above 95% for several hours, the customer reported zero CFUs on two tested samples and no adverse effects to plant quality or terpenes.

"These ProGuard units are a must for any garden. They will pay for themselves, and instantly provide an overall cleaner environment to grow and work in. Solid added layer of mitigation."

- Divergent Flowers ([@divergent_flowers](#))