SANITIZATION TESTS

Many of our makers have brought up the concern that PLA can be porous. We had the same concern, so we conducted a set of tests to better understand how porosity effects the potential microbe growth levels on the mask. Our mask was made of PLA filament, created at 25% infill and .15mm layers. After a full day of usage by a local nurse in Billings, MT, we tested the following on standard agar petri dishes for a 72hr bacterial study:

**Swab of PLA mask after full day of use**
Result: Standard bacteria found on the skin.

**Swab of mask after cleaning with hospital grade bleach wipe**
Result: No bacterial growth

**Swab of mask after cleaning with sani-wipe.**
Result: No bacterial growth (The highlighted portions are a reflection from the camera.)

WWW.MAKETHEMASKS.COM