Comprehensive COVID-19 Protection for Your Business

COVID-19 has grown exponentially over the last few months into a worldwide pandemic. The novel status of this virus means that there is a great degree of uncertainty around how to best control the pandemic and protect public health. This uncertainty has propagated stay-at-home orders and the shut-down of businesses for months.

In an effort to reopen the economy, California and Los Angeles County are progressing through a phased reopening of businesses and offices. But challenges persist. There are multiple guidelines at the national, state, local, and industry levels. These guidelines cover general safety measures to minimize COVID-19 spread, including cleaning, social distancing, etc. Testing is mentioned amongst these measures. Unfortunately, clear recommendations regarding testing frequency and how to analyze industry-specific risks are still absent.

We provide clarity for businesses still grappling with the best way to move forward. We start with the bigger picture—a strategic assessment of the guidelines and an analysis of transmission risks tailored to your business. With this information, we can work with your organization to design a COVID-19 testing solution that fits your risk tolerance and budget.

The true incidence rate is likely much higher. Estimates put the true incident rate at 0.01%-8%.
The Serenity COVID-19 Solution In Action: Case Studies

**Case Study: Business A**

**No Testing**

No testing results in the infection of 90 employees within 10 days.

**Scenario Profile:**

- 300 employees in total
- Reopening in LA with masks and distancing but no testing in place
- High-risk/high-exposure environment

**Scenario Results:**

No testing at Business A results in an exponential infection curve. This model assumes only asymptomatic spread of COVID-19 (i.e., people with clinical symptoms are identified and stay home).

![Graph showing exponential infection curve](image)

**Weekly Serenity Testing**

Weekly Serenity testing results in the infection of 1 employee within 10 days.

**Scenario Profile:**

- 300 employees in total
- Reopening in LA with weekly Serenity testing and hygiene measures
- High-risk/high-exposure environment

**Scenario Results:**

Weekly testing at Business A interrupts the exponential spread and infectious employees can be removed from the workplace before a large number of individuals get infected.

![Graph showing exponential infection curve](image)

**Disclaimer:** Quantgene assesses the risk of a workplace outbreak of COVID-19. All assumptions are based on publicly available evidence, if possible, CDC. There is no guarantee to avoid COVID-19 infections with any measure or test regime.
Case Study: Business B


**Scenario no. 01**

**Daily Symptom Checks**

Business B conducts daily symptom checks missing up to 35% of infected staff resulting in 100 infected employees within 10 days.

**Scenario Profile:**
- 300 employees in total
- Reopening in LA with symptoms based testing and hygiene measures
- High-risk/high-exposure environment

**Scenario Results:**
Symptoms-based testing results in up to 35% of infections being missed and high infection rates over time.

**Scenario no. 02**

**Daily Symptom Checks + Weekly Serenity PCR Testing**

Business B interrupts asymptomatic spread by adding weekly Serenity PCR testing.

**Scenario Profile:**
- 300 employees in total
- Reopening in LA with weekly Serenity testing and hygiene measures
- High-risk/high-exposure environment

**Scenario Results:**
Routine asymptomatic testing results in up to 35% more infections being caught, keeping infection risk low.

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Serenity: One Comprehensive and Scalable COVID-19 Solution

Serenity’s COVID-19 Solution helps guide your risk mitigation strategy from planning through implementation. Our testing is scalable, provided through one of the largest laboratory networks in LA, with highly competitive pricing.

1. Understand What’s Required
   - Audit of the business situation and specific risks
   - Understand all issued guidance (industry, state, national, etc.)

2. Design The Best Solution
   - Use the requirements and CDC data to model different scenarios across all parameters
   - Agree on a COVID-19 Solution

3. Implement
   - Implement Serenity testing solutions
   - Monitor real-world outcomes and changing market dynamics

4. Optimize
   - Adjust and optimize testing strategies based on ongoing monitoring

Get in Touch, Reopen with Serenity.

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