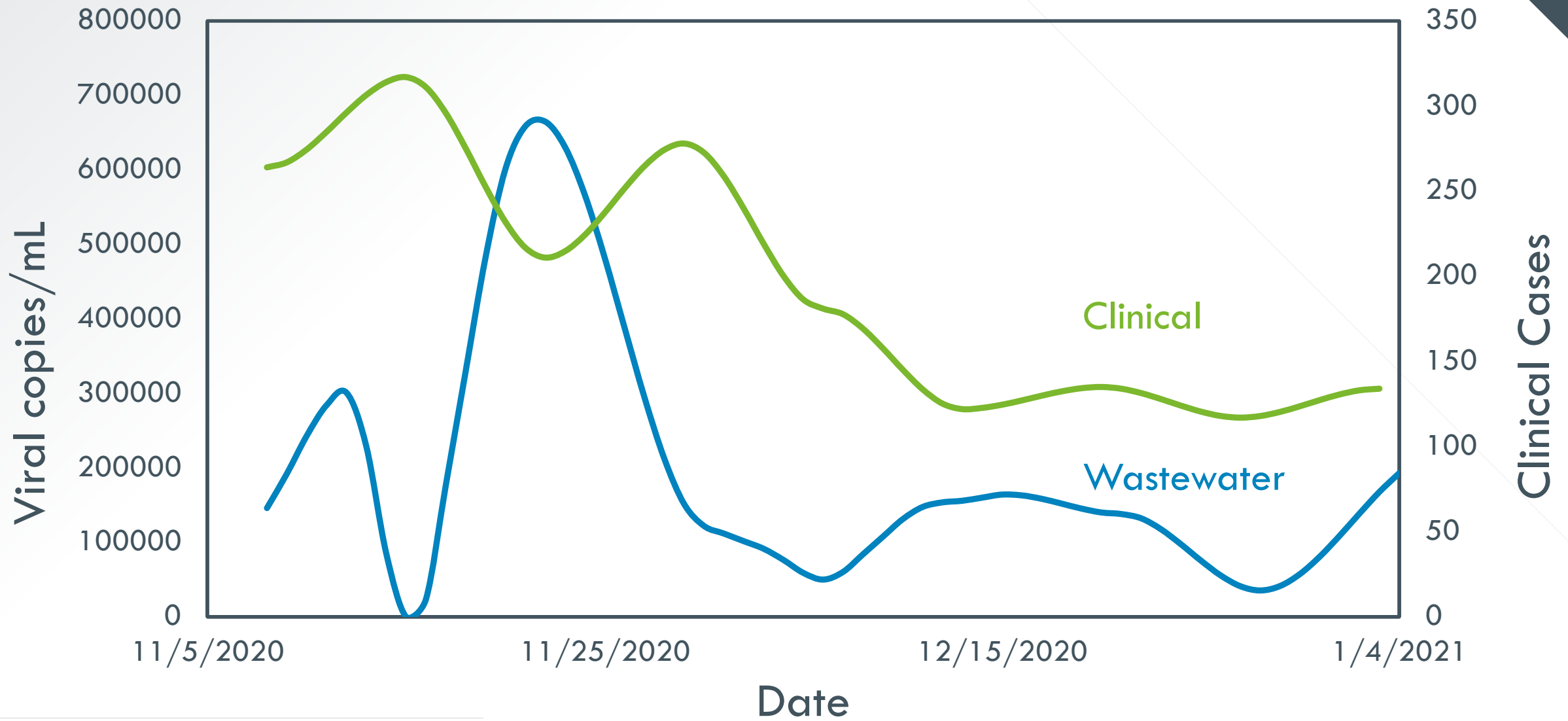


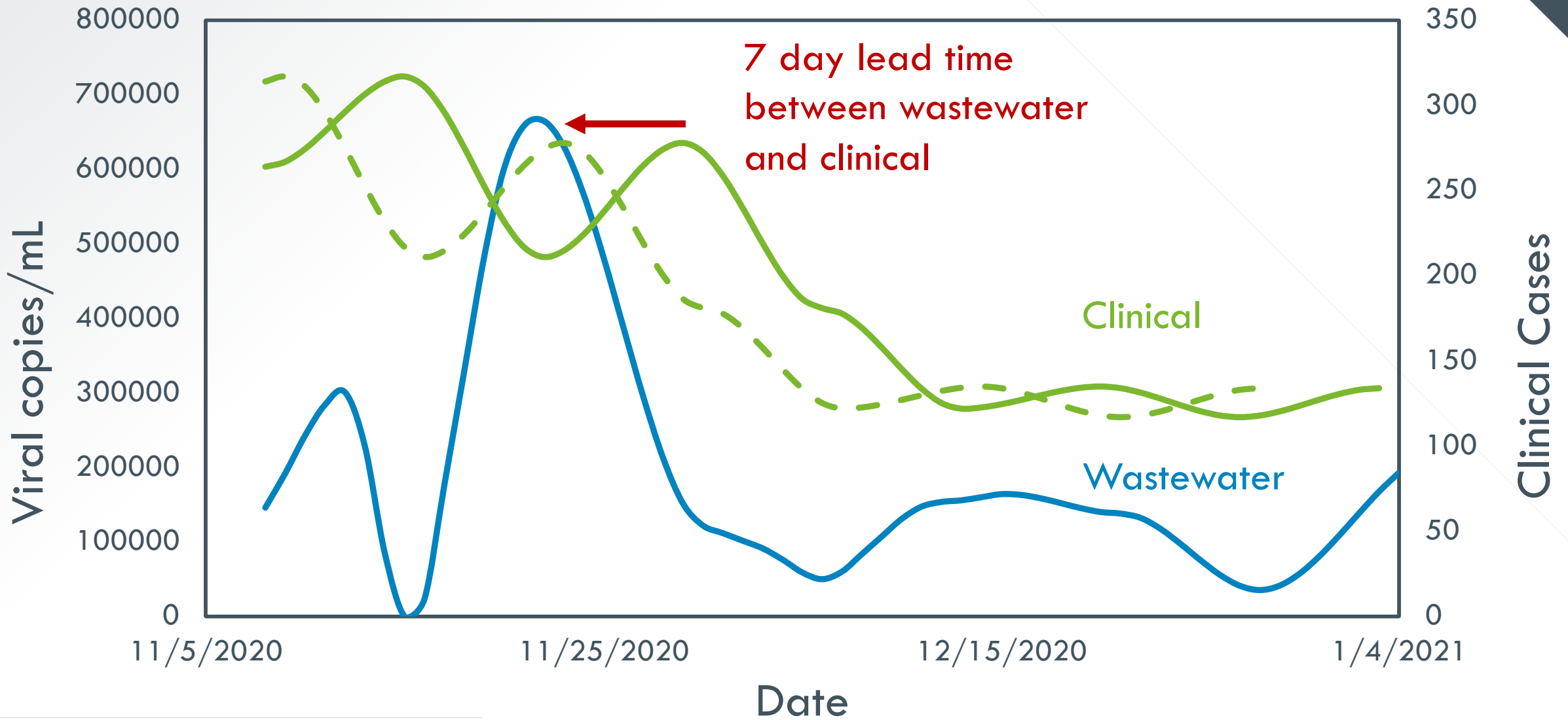


Reducing Erosion: Using a rapid deployable testing solution to reduce time between sampling and action

Jordan J. Schmidt, PhD

Director, Product Applications





Sample
Collection

Transport
(variable based
on location)

Analysis
(Standard
SLA: 48 hours)

Time to Act: 2 days



1

2

3

4

5

6

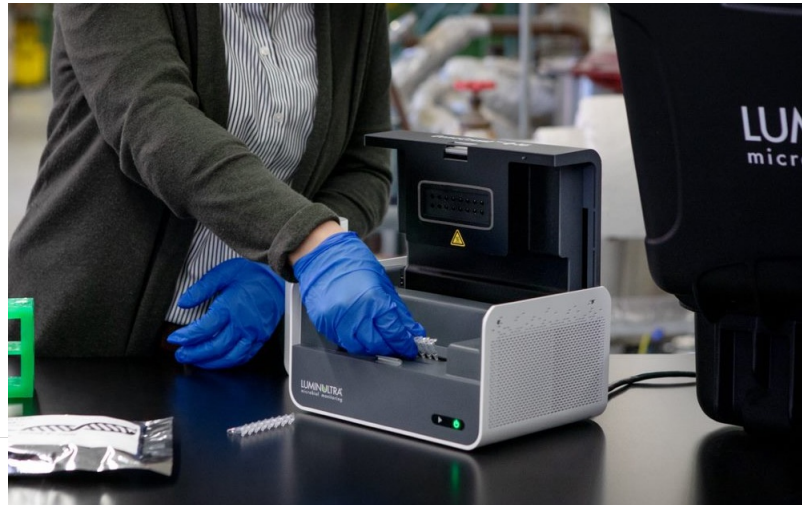
7

GeneCount SARS-CoV-2 Wastewater Test Kit



1 mL Direct Extraction and Purification using Magnetic Beads

qPCR using a field ready kit



Sample
Collection

Transport
(variable based
on location)

Analysis
(Standard
SLA: 48 hours)



1

2

3

4

5

6

7



Sample
Collection +
Analysis

Recommendations for Standards

- Ensure there are allowances for non-traditional testing environments
- Account for various sample matrices including black water
- Consistency in planktonic/aqueous vs solid bound viral particles for reference samples
- Consider recovery consistency equally with sensitivity
- Balance useability with comprehensiveness

Recommendations for Standards

- Ensure there are allowances for non-traditional testing environments
- Account for various sample matrices including black water
- Consistency in planktonic/aqueous vs solid bound viral particles for reference samples
- Consider recovery consistency equally with sensitivity
- Balance useability with comprehensiveness

THANKS!