First study
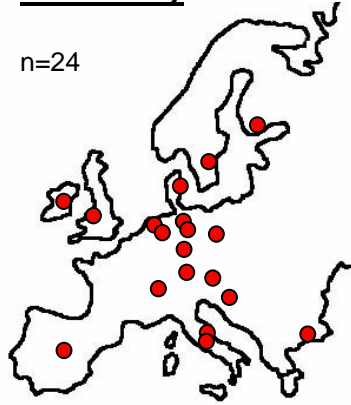
n=24

+Winnigpeg, Canada
+Tokio, Japan

Distributed samples

Filoviruses n=7
Lassa virus n=7
Orthopox viruses n=13

Negative samples n=2

Evaluated skills

Average detection limit

Fraction of laboratories
fulfilling proficiency criterion

Technical influence factors

Second study

n=33

+Winnipeg, Canada
+Buenos Aires, Argentinia
+Melbourne, Australia
+Novosibirsk, Russia
+Bangkok, Thailand

Distributed samples

Orthopox viruses n=7
Parapox virus n=1
Yatapox virus n=1

Negative samples n=6

Evaluated skills

Average detection limit

Relative detection limit in first-
vs. second time participants

Fraction of laboratories
fulfilling proficiency criterion

Contamination safety

Quantification (by Genotype)

Genotyping

Recognition and removal of
PCR inhibitors

Technical influence factors