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Measuring influenza RNA quantity after prolonged storage or multiple freeze/thaw cycles

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Highlights

- Influenza RNA transcripts stored at -80°C or -20°C were stable for up to 56 days
- Influenza RNA transcripts stored at 4°C were stable for up to 21 days
- Influenza RNA transcripts stored at 25°C were stable for up to 7 days
- Influenza RNA transcripts are stable for 9 freeze/thaw cycles when stored at -80°C
- Clinical specimens are stable for 3 years or 7 freeze/thaw cycles if re-extracted

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Summary

In this study, we aim to determine what effects prolonged storage and repeated freeze/thaw cycles have on the stability of influenza A(H1N1)pdm09 (influenza A/H1N1)RNA. Cloned influenza A/H1N1 RNA

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