

NIST Clinical Reference Materials Survey

The mission of the National Institute of Standards and Technology (NIST) is to serve the clinical and industrial community by advancing measurement science, standards, and technology. One way we do so is by providing primary reference materials, which are defined as materials that are certified to be traceable to the international system of units (SI). In an effort to evaluate and prioritize which materials are needed within the clinical community, we have designed a reference materials survey. We value your input, so please take a few minutes to answer the questions below.

Thank you for your time!

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1. **1) Which company or testing laboratory do you represent? ***

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2. **2) What best describes your affiliation? ***

Mark only one oval.

- Private
- Government
- Academia
- Industry

3. **3) What is your perception of the purpose of a primary reference material?**

You may choose more than one response.

Check all that apply.

- as a positive control for diagnostic testing
- as a calibrant for kit manufacturing
- as a calibrant for a positive control
- extraction control only
- detection control only
- full extraction through detection control
- everyday use control
- Other:

4. **4) Do you use primary reference materials in your work? ***

Mark only one oval.

- Yes
- No
- Unsure

5. **5) If yes to question 4, from where do you purchase your reference materials?**

You may choose more than one response.

Check all that apply.

- Acrometrix
- Advanced Biotechnologies
- Institute for Reference Materials and Measurements (IRMM)
- Maine Molecular Quality Controls
- National Institute for Biological Standards and Controls (NIBSC)
- National Institute of Standards and Technology (NIST)
- World Health Organization (WHO)
- Zeptomatrix
- Other:

6. **6) For what purposes do you use primary reference materials?**

You may choose more than one response.

Check all that apply.

- as a positive control for diagnostic testing
- as a calibrant for kit manufacturing
- as a calibrant for a positive control
- extraction control only
- detection control only
- full extraction through detection control
- everyday use control
- Other:

7. **7) For which viruses, microbes, cancers, genetic diseases, or other disease/organism does your laboratory or company currently use reference materials?**

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8. **8) Do you think that primary reference materials are a necessity in the clinical community? ***

Mark only one oval.

- Yes
- No
- Unsure

9. **9) What is your preferred matrix (specimen type) for a reference material? ***

You may choose more than one response.

Check all that apply.

- Cells
- Viral Particles
- Urine
- Serum/Plasma
- Blood
- Extracted DNA or RNA in a buffer
- Other:

10. **10) If a reference material in your preferred matrix is unavailable, would extracted DNA/RNA in a buffer work for your purposes? ***

Mark only one oval.

- Yes
- No
- Unsure

11. **11) If you work with viruses, would you rather have multiple materials of different genotypes of a virus or one material with a conserved region of the viral genome?**

Mark only one oval.

- Multiple materials of different genotypes
- One material with a conserved region
- Other:

12. **12) If you answered, "multiple genotypes" to question 11, please explain.**

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- 13. **13) What other primary reference materials do you think the clinical community lacks?**
Please prioritize in order of importance and be specific (eg - DNA construct with mutations for X disease or genome for Y).

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- 14. **14) We would love to hear any other comments or suggestions here.**
Please feel free to leave your contact info or contact me directly as well (email on the next page).

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Thank you for your feedback! Please hit "submit" below!

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