

disease, flu, swine flu, avian flu, MRSA, anthrax STDs, AIDS, CT/NG, HPV, HCV, C. Diff, Strep A, Influenza and combinations thereof.

31. The apparatus of claim 1, wherein the sample collection element is configured to be inserted inside the containment vessel. 5

32. The apparatus of claim 1, wherein the sample collection element is a hollow polyester stick.

33. The apparatus of claim 1, wherein the nucleic acid binding element is positioned within an inside surface of the sealable tube. 10

34. The apparatus of claim 27, wherein the nucleic acid binding element is positioned within an inside surface of the sealable tube.

35. The apparatus of claim 27, wherein the disposable heater is a band applied on an external surface of the sealable tube. 15

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