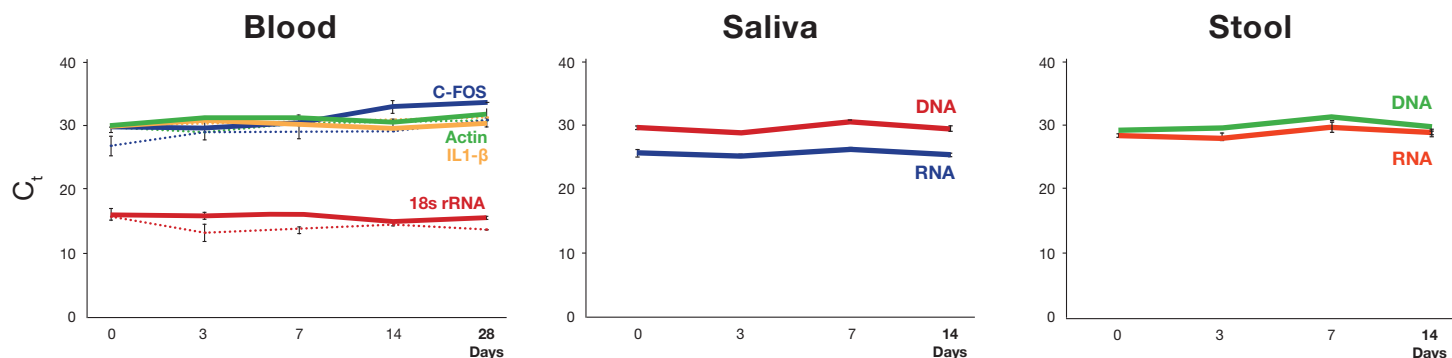


DNA/RNA SHIELD™

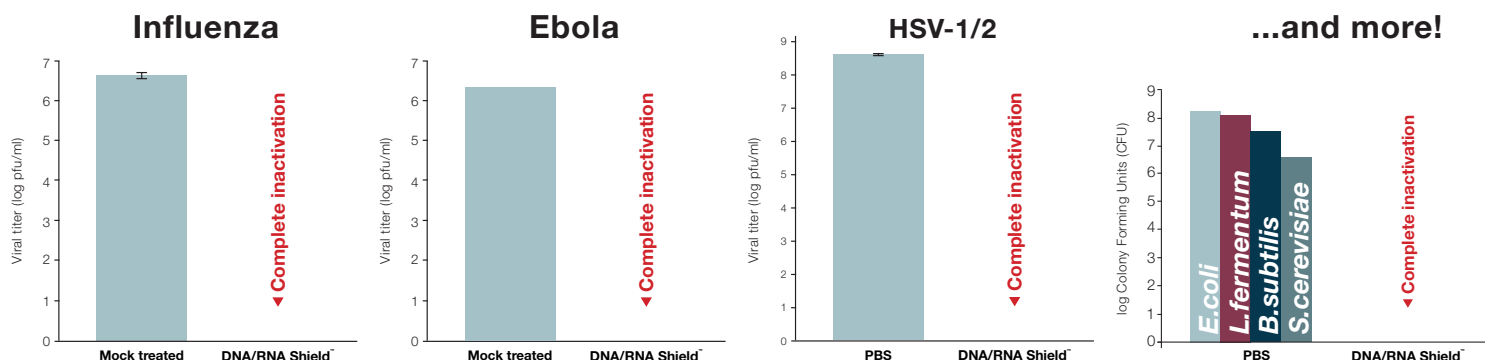
WORRY-FREE SAMPLE TRANSPORT AND STORAGE

Nucleic Acid Stabilization at ambient temperature



RNA in blood, saliva and stool is effectively stabilized in DNA/RNA Shield™ at ambient temperature. Graphs show: cellular RNA from human whole blood and spike-in DNA and RNA controls from saliva and stool purified at the indicated time points and analyzed by (RT)qPCR. Controls: HSV-1 and HIV (AcroMetrix, Life Technologies).

Microbial Inactivation



Virus, bacteria and yeast are effectively inactivated by DNA/RNA Shield™. Samples containing the infectious agent (virus, bacteria, yeast) were treated with DNA/RNA Shield™ or mock (PBS) treated for 5 minutes. Titer (PFU) was subsequently determined by plaque assay. **Validated by:** Influenza A - D. Poole and Prof. A. Mehle, Department of Medical Microbiology and Immunology, University of Wisconsin, Madison; Ebola (Kikwit) - L. Avena and Dr. A. Griffiths, Department of Virology and Immunology, Texas Biomedical Research Institute; HSV-1/2 - H. Oh, F. Diaz and Prof. D. Knipe, Virology Program, Harvard Medical School; *E. coli*, *L. fermentum*, *B. subtilis*, *S. cerevisiae* - Zymo Research Corporation

Streamlined purification

The reagent does not require removal and is directly compatible with most off-the-shelf purification kits

	Recommended usage	Size	Cat. No.
DNA/RNA Shield™	All samples (cells, tissue, swabs, stool, etc.) Samples up to 10% (v/v)	50 ml 250 ml	R1100-50 R1100-250
DNA/RNA Shield™ 2x concentrate	Blood & other liquid samples Mix reagent and sample 1:1	25 ml 125 ml	R1200-25 R1200-125

For bulk reagent & custom fill into any existing collection device, inquire.



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