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NATtrolTM Molecular Controls

(Nucleic Acid Test Control)

Background:

HIV, HCV, HBV Bloodscreening External Run Controls

Theory:

Microorganisms require discrete Surface Protein Receptors to bind to and penetrate a host cell.

Hypothesis:

If we can modify those Surface Proteins such that the Microorganism can no longer bind to a host cell, then the Microorganism should be noninfectious and...

If we can modify those Surface Proteins without damaging the inner Nucleic Acids, then the modified Microorganism should still function in a Molecular based Assay.

Conclusion:

Two highly controlled Biomedical Procedures are used to modify the Surface Proteins and render the Microorganism noninfectious.

Compounds that covalently modify proteins. Proteolytic Enzymes.



NATtrol™ Molecular Controls

Product Highlights:

Non-Infectious Safe

Purified Protein Matrix

Whole Intact Organism Works across Platforms

Mimics a true Clinical Specimen

Not Synthetic RNA

Full Process Controls for both Extraction & Amplification

Refrigerator Stable Simple storage and quick usage v. Frozen.

From 2 to 8 °C unlike -20 °C

Gel Pack v. Dry Ice

1-2 year Stability Superior Shelf Life

Longer Availability/ Reuse Capabilities

Flexible Availability Available as Individual Analyte, Multiplexed or as a Panel

Compatible Biotechnology Process is viable for Virus, Bacteria, Fungi, Parasite and

Bacteriophage

Broad Patent Coverage Protected Technology

