

Idaho Technology Reagents & Test Kits

Information Sheet



B. anthracis



E. coli 0157



Brucella species

See reverse side for a complete list of reagents



Freeze-Dried, Real-Time PCR Reagents

Idaho Technology offers high quality, freeze-dried, ready-to-use reagents for the detection and identification of pathogens and biothreat agents. Each test kit and assay is optimized and validated for Idaho Technology instruments and has been manufactured under our cGMP quality system. Our reagents contain all of the ingredients necessary for real-time PCR in a simple, convenient format.

For the first time, public health personnel, research labs, and first responders have the ability of getting reference laboratory quality results in a wide variety of field conditions.

The Following Tests are Available*:

Hazmat	Food Safety	Water Safety	JBAIDS / US Federal	Environmental
Anthrax Ricin Smallpox Plague	Listeria E. coli 0157 Salmonella Campylobacter	Cryptosporidium Salmonella	Tularemia Ebola Brucella Anthrax IVD	Avian Influenza Botulism Marburg

*See reverse side for a complete list of reagents and test kits

U.S. Patent Nos:
6,174,670, 6,245,514,
foreign counterparts
and pending patents

Benefits of our Reagents

Our freeze-dried reagents provide incredible benefits to those seeking fast results and unparalleled accuracy.

- Reagents are freeze-dried for ease-of-use and storage.
- All necessary components in one tube: primers, probes, enzymes and buffers.
- Storage at room temperature.
- Minimizes errors caused by improper storage and handling of wet reagents.
- Reduced set-up time.
- Uniform results.

Over five million tests have been sold and used world wide.



Innovative solutions for pathogen identification and DNA research

390 Wakara Way, Salt Lake City, Utah 84108, USA | 1-800-735-6544 | www.idahotech.com

Multiple Freeze-Dried Sample Formats

Our high-quality reagents have been **optimized and independently validated** for sensitivity and specificity on **all** of Idaho Technology's real-time PCR instruments. From vials to pouches, our reagents are provided in formats that best fit the instrument's capability and allows you to have the flexibility of building your biothreat program as it best fits your needs.

Freeze-Dried Reagents

Designed for the R.A.P.I.D.[®] Instruments

Each assay contains all the ingredients for real-time PCR in a simple and convenient format. These reagents offer the following advantages:



- Each vial contains enough material for 2 x 20 µl reactions
- Each kit is designed to run samples in duplicate
- Hybridization or FRET probe format provides melting-curve analysis for each product

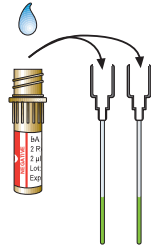
Each kit comes with the following items:

- Negative Controls
- Positive Controls
- Unknown Sample Assays
- Reagent Grade Water
- Detailed Instruction Booklet

Basic Protocol for Preparing Reagents

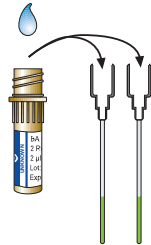
Step 1: Negative Control Reagent

Add 40 µl of Reagent Grade Water to the **red Negative Control** vial. Once mixed properly, pipette 19 µl of hydrated mixture into each capillary. Centrifuge capillaries.



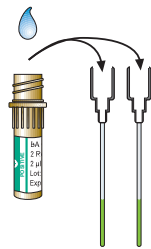
Step 2: Unknown Reagent

Add 40 µl of Unknown sample to the **blue Unknown** vial. Once mixed properly, pipette 19 µl of hydrated mixture into each capillary. Centrifuge capillaries.



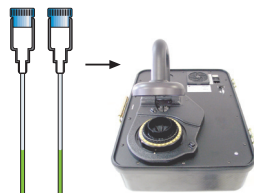
Step 3: Positive Control Reagent

Add 40 µl of Reagent Grade Water to the **green Positive Control** vial. Once mixed properly, pipette 19 µl of hydrated mixture into each capillary. Centrifuge capillaries.



Step 4: Load and Run Samples

Once all of the capillaries are prepared, load them into the sample carousel and run them in the instrument.



Ordering Information

Reagent Kits	Part No.
BioThreat Screening Kit Tests for: B. anthracis (Tg 1), F. tularensis (Tg 1), Y. pestis (Tg 1), Brucella species (Tg 1)	3833
Pathogen Test Kit Tests for: Listeria monocytogenes (Tg 1), E. coli O157 (Tg 1), Salmonella species (Tg 1), Campylobacter species (Tg 1)	3834
Reagent Training Kit Used for training on the R.A.P.I.D. instruments.	3832
B. anthracis (Anthrax, Target 1)	3828
B. anthracis (Anthrax, Target 2)	3841
B. anthracis (Anthrax, Target 3)	3887
F. tularensis (Tularemia, Target 1)	3830
F. tularensis (Tularemia, Target 2)	3882
Y. pestis (Plague, Target 1)	3831
Y. pestis (Plague, Target 2)	3881
Brucella species (Brucellosis, Target 1)	3829
Listeria monocytogenes (Listeriosis, Target 1)	3827
E. coli O157 (Target 1)	3825
Salmonella species (Salmonellosis, Target 1)	3826
Campylobacter species (Target 1)	3839
C. botulinum Type A (Botulism, Target 1)	3840
Cryptosporidium (Target 1)	ASAY-ASY-0100
Cryptosporidium (Target 2)	ASAY-ASY-0101
Variola (Small Pox)	ASAY-ASY-0102
Ricin Target 1	ASAY-ASY-0103
Ricin Target 2 (Taqman)	ASAY-ASY-0104
Avian Influenza H5 Subtype Target 1 (Taqman)	ASAY-ASY-0105
Avian Influenza H5 Subtype Target 2 (Taqman)	ASAY-ASY-0106
Influenza A Target 1 (Taqman)	ASAY-ASY-0109

The reagents listed above are subject to applicable laws and regulations including, without limitation, the Export Administration Act of 1979 and the Export Administration Regulations (EAR) issued by the United States Department of Commerce.

JBAIDS / US Federal Reagents*	Part No.
Reagents listed below are in Taqman [®] format	
Vaccinia (Orthopox)	JRPD-ASY-0100
Yersinia pestis (Plague) - Target 2	JRPD-ASY-0101
Yersinia pestis (Plague) - Target 1	JRPD-ASY-0102
Bacillus anthracis (Anthrax) - Target 1	JRPD-ASY-0103
Bacillus anthracis (Anthrax) - Target 2	JRPD-ASY-0104
Francisella tularensis (Tularemia) - Target 1	JRPD-ASY-0105
Brucella melitensis (Brucellosis)	JRPD-ASY-0106
Rickettsia prowazekii (Rickettsia)	JRPD-ASY-0108
Burkholderia spp. (Burkholderia)	JRPD-ASY-0109
Ebola	JRPD-ASY-0110
Marburg	JRPD-ASY-0111
Eastern Equine Encephalitis (EEE)	JRPD-ASY-0112
Western Equine Encephalitis (WEE)	JRPD-ASY-0113
Venezuelan Equine Encephalitis (VEE)	JRPD-ASY-0114
Variola (Small Pox) - Target 1	JRPD-ASY-0115
Coxiella burnetii (Coxiella)	JRPD-ASY-0122
Anthrax IVD - Targets 1 & 2 (FDA Cleared)	JRPD-ASY-0116

Custom freeze-drying services available. Contact us for details.

*These reagents are available for JBAIDS / US Federal customer only. These reagents and related technical data contained on this document, are defense articles controlled for export under the International Traffic in Arms Regulations (ITAR), administered by the U.S. Department of State, Directorate of Defense Trade Controls.