

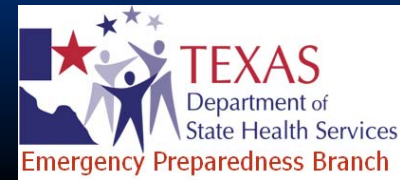


LRN Flashback

Emergency Preparedness Branch

Bi-Annual Conference of Public Health
Laboratory Directors of Texas

April 18-20, 2007





Types of Testing Peformed

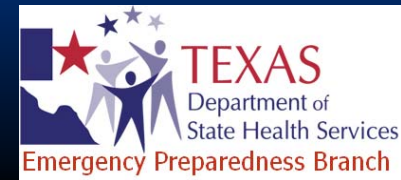
LRN	<i>B. anthracis</i>	<i>Brucella sp.</i>	<i>Y. pestis</i>	<i>F. tularensis</i>	<i>Vaccinia</i>	VZV	Ricin	SEB	<i>Burkholderia</i>	<i>C. botulinum</i>	<i>Variola major</i>	<i>Coxiella</i>
Austin	PCR, DFA, Culture	PCR, Culture	PCR, DFA, Culture	PCR, DFA, Culture	PCR, Culture	PCR, Culture	PCR, TRF	TRF	PCR, Culture	Mouse Bioassy, ELISA	PCR, EM	PCR
Corpus Christi	PCR, DFA, Culture	PCR, Culture	PCR, DFA, Culture	PCR, DFA, Culture	PCR	PCR			PCR, Culture	Culture		PCR, Culture
Dallas	PCR, DFA, Culture, BioPlex	PCR, Culture	PCR, DFA, Culture, BioPlex	PCR, DFA, Culture, BioPlex		PCR, DFA	TRF, Bio-Plex	TRF, Bio-Plex	PCR, Culture			PCR
El Paso	PCR, DFA, TRF, Culture, BioPlex	PCR, Culture	PCR, DFA, TRF, Culture, BioPlex	PCR, DFA, TRF, Culture, BioPlex	PCR	PCR	PCR, TRF, Bio-Plex	TRF, Bio-Plex	PCR, Culture	Culture, ELISA		
Houston	PCR, DFA, Culture, Gamma Phage Lysis	PCR, Culture	PCR, DFA, Culture, Bacteriophage Lysis	PCR, DFA, Culture			TRF		PCR, Culture			
Lubbock	PCR, DFA, TRF, Culture, Gamma Phage Lysis	PCR, Culture	PCR, DFA, TRF, Culture, Bacteriophage Lysis	PCR, TRF, Culture	PCR	PCR, DFA	PCR, TRF	DFA, TRF			PCR	
San Antonio	PCR, DFA, TRF, Culture	PCR, TRF, Culture	PCR, DFA, TRF, Culture	PCR, TRF, Culture	PCR	DFA	PCR, TRF	TRF, Culture	PCR, TRF, Culture		PCR (negative only)	PCR, TRF
South Texas	PCR, DFA, Culture	Culture	PCR, DFA, Culture	DFA, Culture					Culture			
Tarrant County	PCR, DFA, Culture, BioPlex	PCR, Culture	PCR, DFA, Culture, BioPlex	PCR, DFA, Culture, BioPlex	PCR	PCR	PCR, TRF	TRF	PCR, Culture	ELISA		PCR, TRF
Tyler	PCR, TRF, Culture	PCR, Culture	PCR, DFA, Culture	PCR, DFA, Culture		PCR, DFA	PCR, TRF, Culture	TRF	PCR, Culture			PCR
Wichita Falls	DFA		DFA									



Equipment/Facilities

- 9 LRNs have ABI 7500 FAST
- 10 LRNs have Bio-Plex
- 10 LRNs have BSL-3 facilities
- 1 new BSL-3 facility to be added in Laredo (renovations currently underway)

2003 - 10 LRNs; 9 PCR capabilities; 3 BSL-3





Specimens By the Numbers

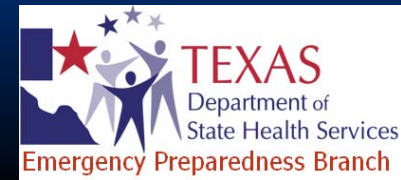
- 94 Samples received for testing
 - 45 Environmental
 - 49 Clinical
 - 7 Positive for *Brucella spp.*
 - 2 Positive for *Francisella tularensis*
 - 1 Positive for *Clostridium botulinum* type B

2003 – 54 Samples



Networking

- 103 Interactions
 - Law Enforcement
 - First Responders
 - HazMat Teams
 - Military
 - Emergency Management
 - Clinical, Environmental, and Veterinary laboratory personnel





Training Provided

- 29 Trainings offered
 - 227 Participants
 - Rule-out testing
 - Chemical threat
 - Packaging and shipping
 - Pandemic influenza

2003 – 35 trainings, 231 participants



Training Received

- 49 Trainings attended by LRN laboratory personnel
 - ABI 7500 FAST PCR system
 - Bio-Plex multi-agent testing
 - Conventional and Rapid Methods
 - BSL-3
 - DIG-ELISA for *C. botulinum* typing
- 2003 – 11 Trainings attended



Exercises

- 37 Exercises
 - Pandemic Influenza
 - Packaging and Shipping
 - BDS
 - Call-down drills
- 2003 – 15 Exercises



Future Directions

- 9 LRNs capable of H5 influenza testing; increase testing for H1, H3, and H7
- Bring more LRNs into seasonal surveillance testing fold
- DIG-ELISA for *C. botulinum* typing



Questions

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