



Division of Public Health



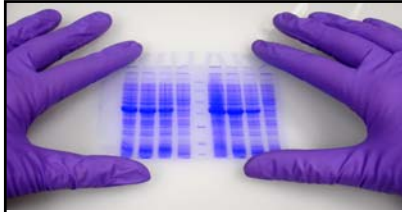
CAP LPX Survey Delaware Labs

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Lab Preparedness



- **CDC/ LRN Preparedness Grant 2001**
- **Public Health Labs – Increase capacity to confirm BT agents/molecular tests**
- **Sentinel Lab Rule/Out training**
- **Laboratory Preparedness Advisory Committee**
- **Packaging & Shipping infectious agents**



Proficiency testing

- Means to tests sentinel labs on ability to rule/out BT agents
- Most PHL's not in PT business
- CAP (College of American Pathologists) already sends PTs to most labs
- LPS survey was not testing appropriate organisms or stains. Answer choices not applicable
- APHL interceded to assist in getting CAP to work with PHL staff on revising format.

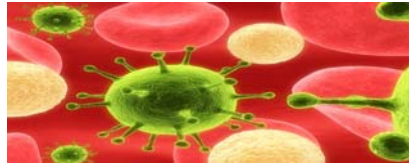
LPX CAP Survey



- CAP & PHL workgroup revise survey
- List of surrogate organisms
- List of appropriate responses
- Contact LRN reference lab for r/o testing
- Packaging & shipping exercise

Brucella abortus Exposure

- 10/2007 LPS-10 contained Brucella abortus
- NY lab sent CAP isolate to reference lab for ID
- Sample was tested in BSL2 lab
- Further investigation revealed many lab staff potentially exposed
- Working with samples similar to patient samples/ automated equipment
- PHLs contacted every sentinel lab to determine exposures
- Outcome- Sentinel labs needed to handle this survey differently, get training on handling these infectious agents
- Perform rule out testing first



DE CAP LPX



- 10 reporting labs- 9 sentinel, 1 reference
- LPX-06
 - 6 GNB r/o *Y.pestis*
 - 1 source not done
 - 1 *Y.pestis*
 - 2 Non BT culture, *A.lwoffii*, microscan

Delaware Results

- LPX-07
 - 4 *C.diphth* not done
 - 1 *Corynebacterium diphtheriae*
 - 2 *Coryne.* r/o diphth.
 - 3 GPB aer, r/o diphth
- LPX-08
 - 10 non BT culture, *S.aureus*
- LPX-09
 - 8 GNB/CB r/o *F.tularensis*
 - 1 *F.tularensis*
 - 1 non BT culture
- LPX-10
 - 4 fungal not done
 - 1 source not done
 - 5 mold, r/o *C.immitis*



Contacting PHL's

- Reported contact
 - LPX-6 *Yersinia pestis* 1075/1289 = 83.4%
 - LPX-9 *Francisella tularensis* 1119/1289 = 86.8%
- Actual Contact
 - LPX-6 *Yersinia pestis* 527/953 = 55.3%
 - LPX-9 *Francisella tularensis* 532/953 = 55.8%

Packaging & Shipping

- 1 lab never contacted DPHL
- 4 labs passed with no deficiencies
- 3 labs failed / passed on repeat P&S
- 1 lab failed on initial and repeat P&S



Conclusions



- More training
- wet workshops, r/o testing
- BSL2/3 training
- More Packaging & shipping

Questions?



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