

Banking

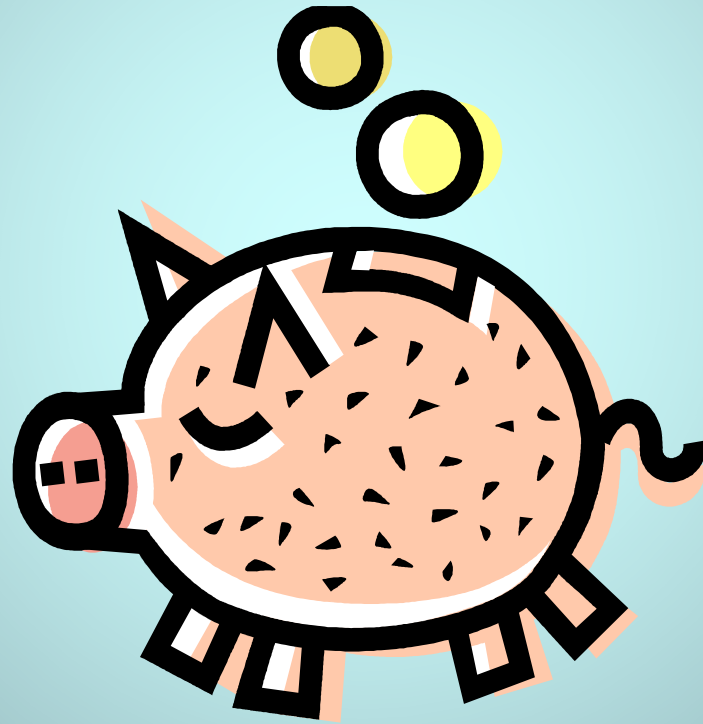
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Bureau of Clinical Laboratories
Montgomery, Alabama

Banking

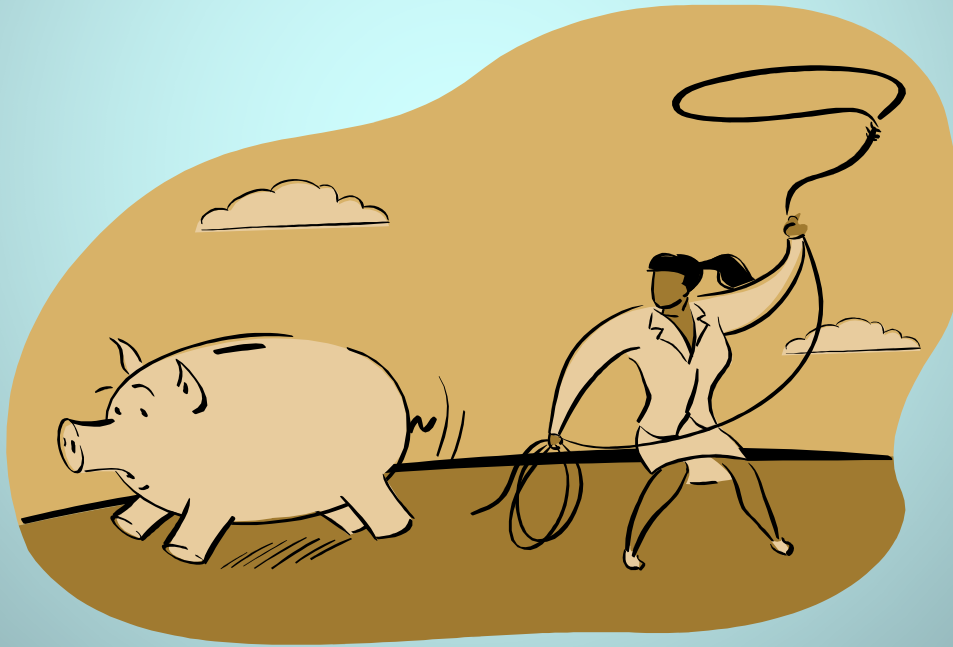
Also known as

Refer Back

The fine art of banking one result
off of another.



Banking can be applied to a TB patient with multiple specimens.



Background

- April, 2009 the Alabama Bureau of Clinical Laboratories began **banking** off of the result of an Accuprobe GenProbe[®] *M. tuberculosis* complex result (GenProbe[®]).

Pilot Study

- In April 2009 all positive Bactec 960 Mgits were subcultured to a 7H10 plate during the pilot study.
- Of these subcultures, 146 resembled TB and were tested by GenProbe[®] for TB.
- The pilot studies showed that there was 100% correlation of morphological results with GenProbe[®] for TB results.

Banking

- *M. tuberculosis* complex Accuprobe GenProbe®
- Morphology is consistent with TB.
- SAME patient
- Within 30 days

A Single Patient

- The original specimen → GenProbe[®]
- Subsequent specimens → 7H10 plate

∴ 1st GenProbe[®] + morphology = TB

(GenProbe[®] results are repeated every 30 days.)

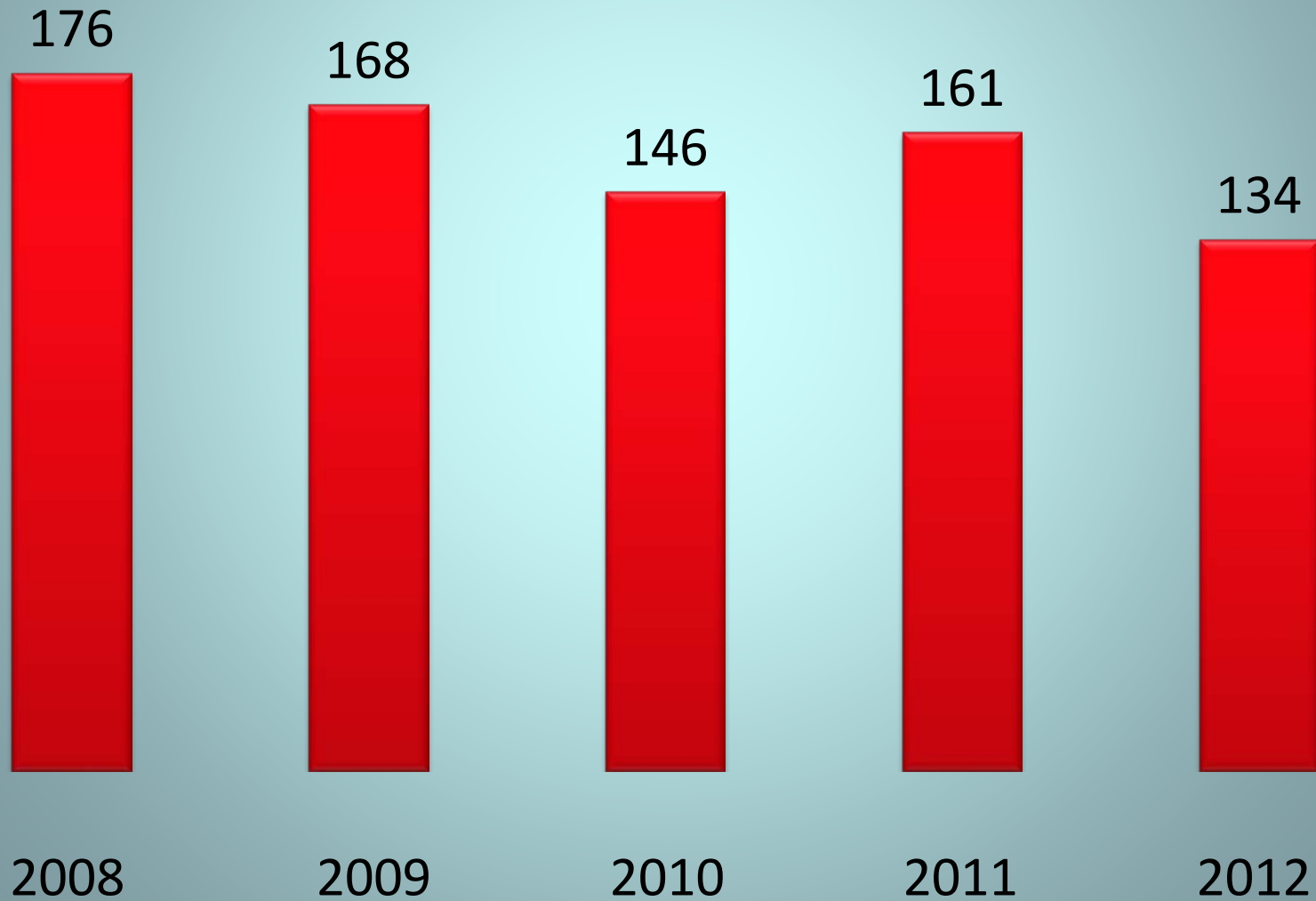
Numerous Specimens

- Smear Negative X 3
- Culture Negative
- One Patient = >10 specimens

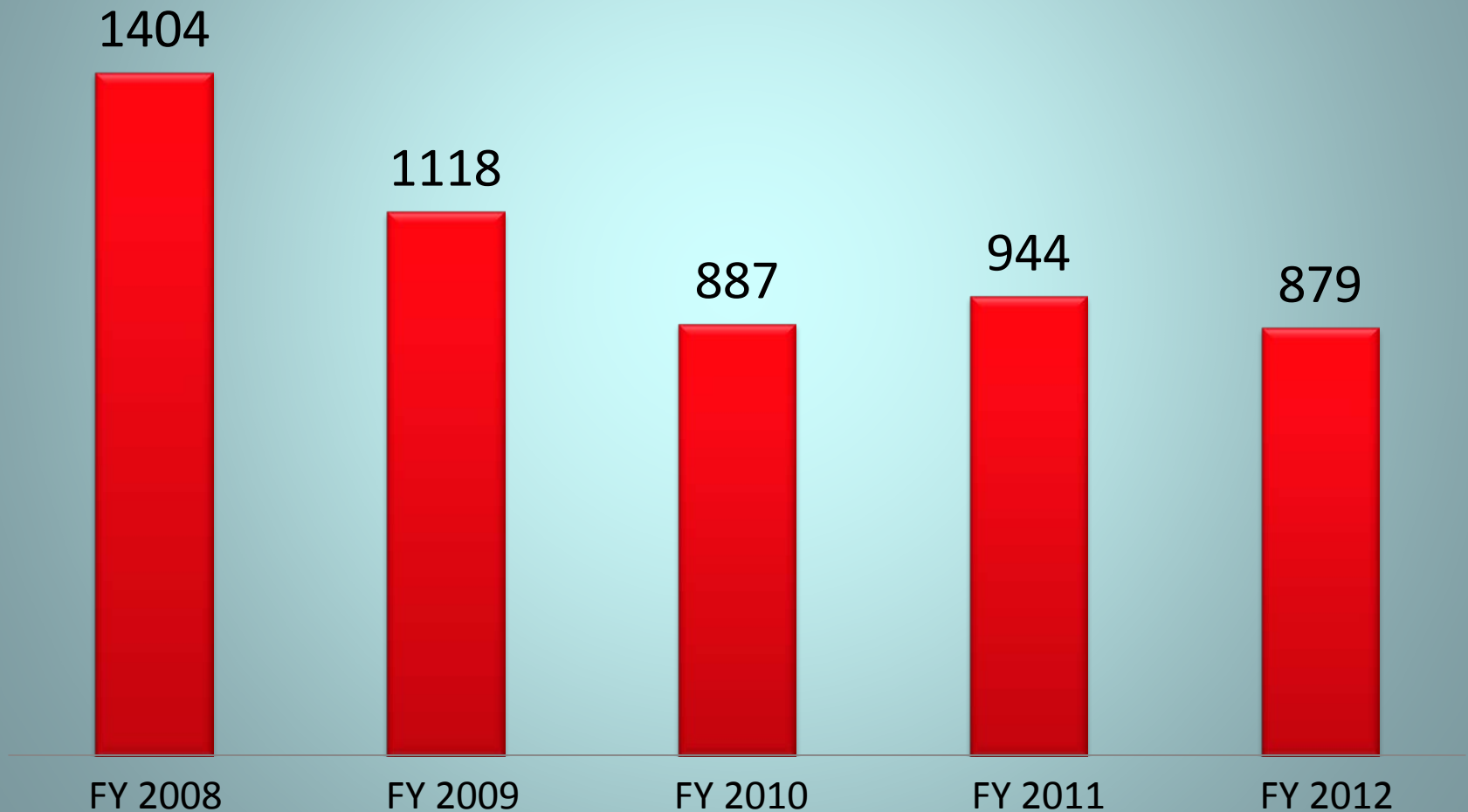
Time and Money

- From April 2009 to July 2013 there have been 1,035 specimens that have been banked.
- At \$15 a specimen, this has saved \$15,525.00.
- Banking also conserves man-hours as well.

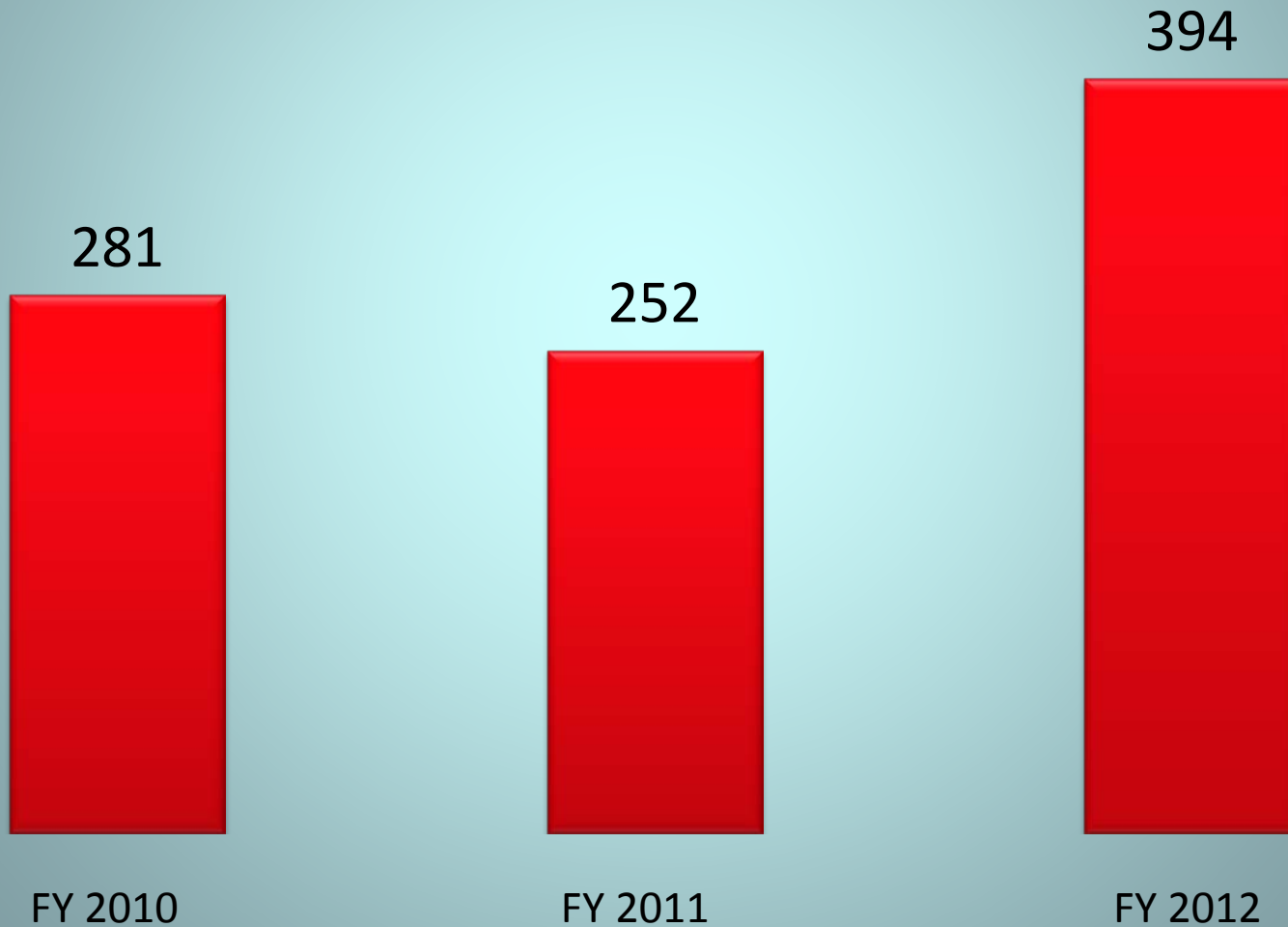
Alabama Annual New TB Cases



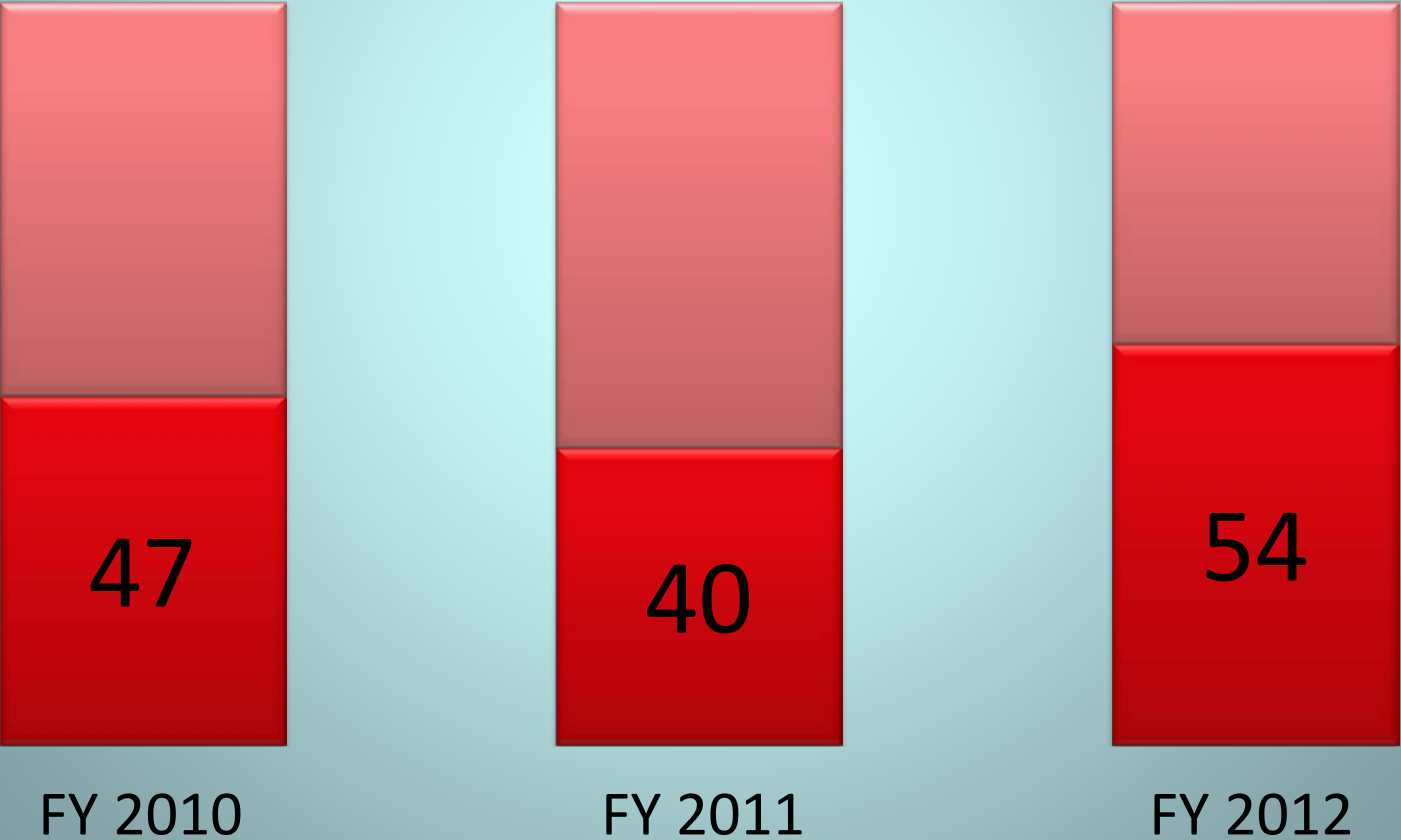
Annual Numbers of TB GenProbes[®] (Controls, Positives, & Negatives)



Banked Specimens



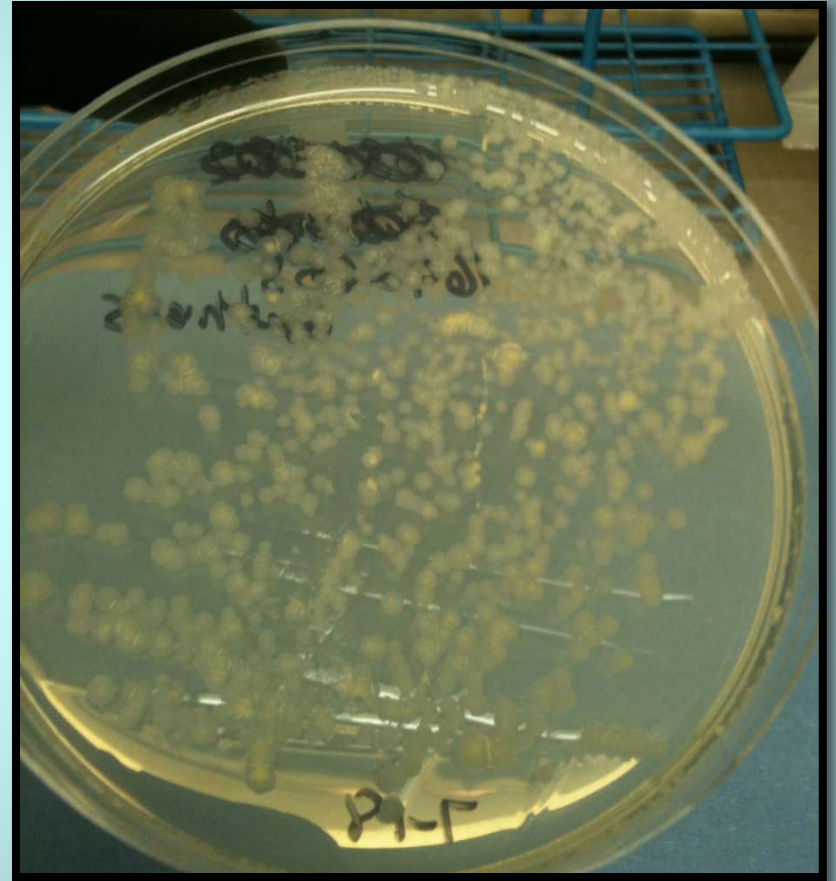
Percentage of Banked Reports



Morphology

- Streak the broth to a 7H10 Middlebrook plate.
- Growth is consistent with TB.
- Rough and Buff

Rough and Buff



Same patient

- Frequently a specimen is collected whenever the patient is administered his/her TB medications.
- Multiple specimens on the same patient are common.
- TB Control is waiting for a negative smear result X 3.

Thirty Days

- Majority of specimens will grow well in 30 days.
- After 30 days of medication, TB is usually attenuated and grows poorly.
- Also a repeat GenProbe[®] at 30 days rules out any non-tuberculous Mycobacteria (NTM).

Whenever there is a question....

Run a GenProbe[®] !

- Due to poor growth
- Questionable morphology
- Microbiologist's discretion
- Appearance of NTM

How to keep up with a banked patient

Individual Index Cards



Ledger

<u>Name</u>	<u>GenProbe Date</u>
<u>Jane Doe</u>	<u>8/6/2013</u>
<u>Jimmy Doe</u>	<u>7/21/2013</u>
<u>John Doe</u>	<u>7/15/2013</u>
<u>Susie Doe</u>	<u>8/19/2013</u>

Ledger

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XL file

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Banking Saves Money



Questions ???

