



# Bacterial Detection Implementation and Experience at the New York Blood Center

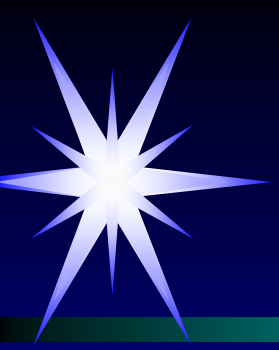
DHHS Advisory Committee on Blood  
Safety and Availability

April 8, 2004



# New York Blood Center Considerations in Implementing BD for SDPs

- Operational considerations
  - Pall or BioMerieux
    - Validation/SOPs/Training/Competency
  - Test primary bag or split products
  - Staffing
- Regulatory status: FDA and NYS
- Medical considerations. Emergency release. Donor management.
- Inventory management
  - Product availability
  - Distribution of product
  - Imported products
- Customer education



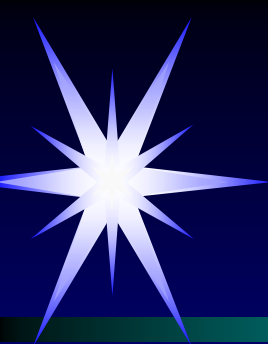
# NYBC Implementation

- BioMérieux system (BacT/Alert) selected
  - Primary bag tested
  - Aerobic bottle only
  - Testing available for customers
- Went live on October 12, 2003
  - NYS licenses received 10/8/2003
  - All Single Donor Platelets tested
- Collections/availability strategy
  - Increase Sunday collections
  - Import and tested products when necessary
- Manage inventory closely.
- Work closely with customers



# New York Blood Center Results

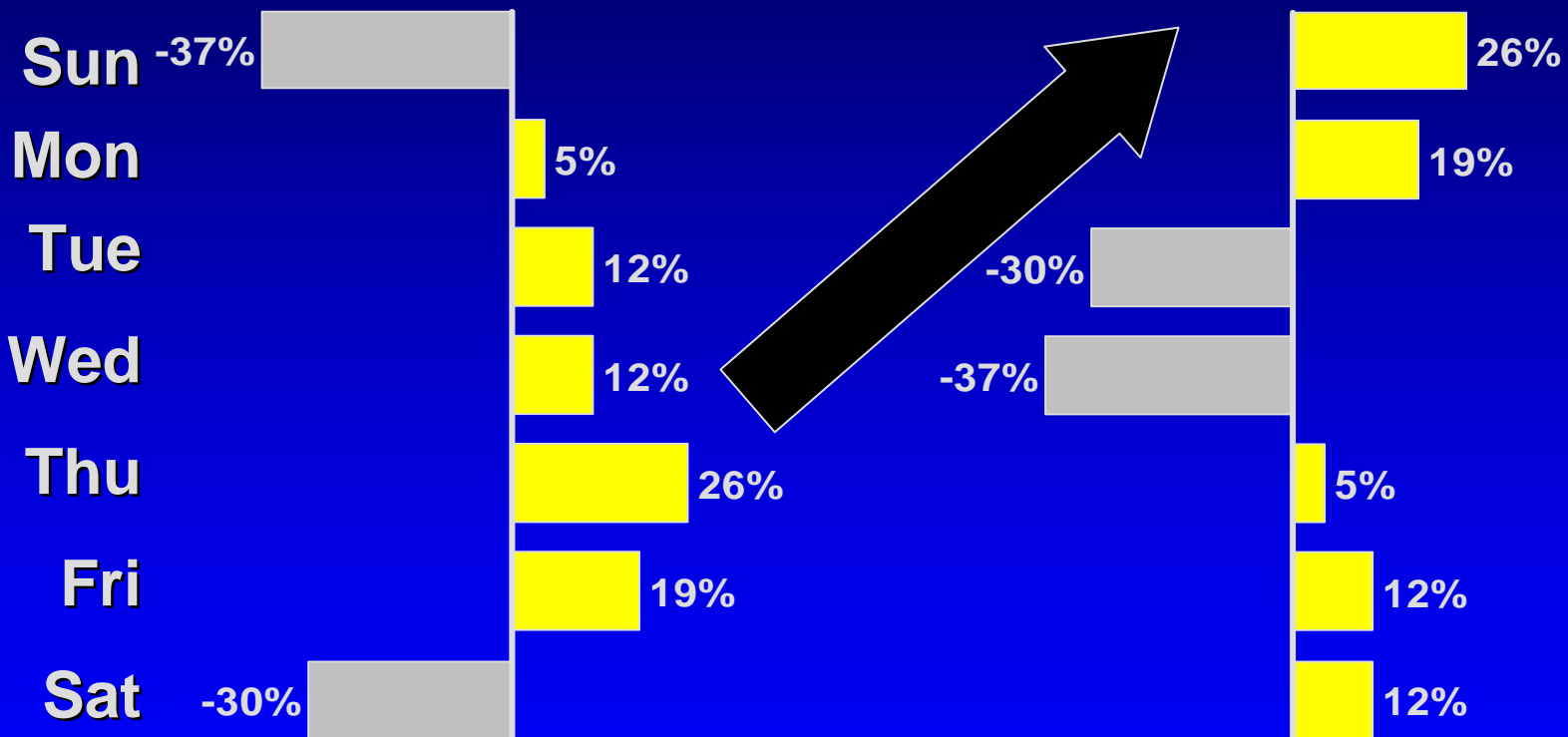
- **Tested 20,506 products as of March 21, 2004**
  - 3 products “administratively released”
    - HLA matched platelets hospital requested
  - 5 True positives (.02% or 1/ 4101)
    - Strep Group C, Strep Mitis, Strep A
  - 5 False positives. (Bottle positive/product negative)
- **Inventory Management**
  - Product aging at distribution has 0.5 days less than before
    - Positive effect of improved FIFO
  - Transfers and product apportionment is more complex
  - Communication between NYBC regions is better
  - Better decisions being made on internal allocations
- **Hospital Response is generally positive**



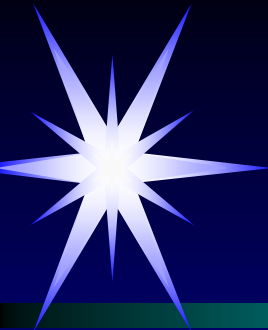
# SDP Utilization Patterns

### Transfusion by Day (variance from average)

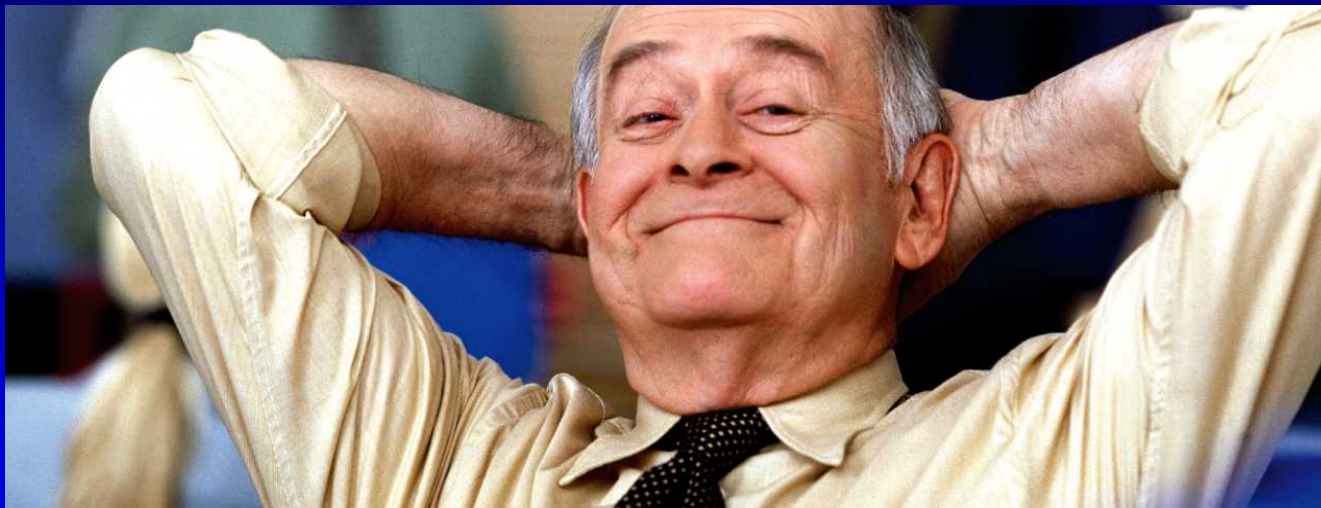
### Collections by Day, Ideal\* (variance from average)



\* Ideal allows 48 hours for testing/labeling, delivery and hospital reception prior to transfusion, with one additional days for hospital to use product



# Sunday Campaign



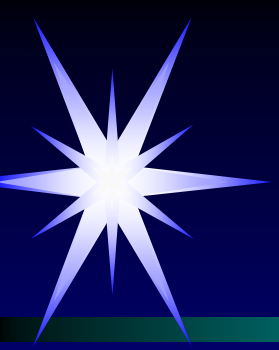
Donating platelets to save someone's life  
will make... **"Their Sunday too."**

Patients need your help. Platelets must be transfused to a patient within five days of donation. But burn victims, cancer patients and others need platelet transfusions seven days a week. Please help these patients by **donating platelets on Sundays**. And thank you for helping to save lives.

**Donate blood now.**  
*People can't live without it.*

For exact details on our Sunday hours  
and Sunday locations call:

**1-800-933-2566**



# New York Blood Center: Experience to Date

- Weekly variation in SDPs continues: Short on Tuesday and Wednesday. Outdating on Friday and Saturday.
- **RDPs:** We distribute 50,000 SDPs and 60,000 RDPs (5:1 SDP/RDP pools)
- We recover and culture RDPs that hospitals find positive by dipstick. Associated products quarantined.
- 37 RDPs sent for culture. None positive so far.
- Quarantining and subsequent release of associated products is time-consuming.
- We support studies designed to permit both pre-storage pooling of RDPs and extension of platelet storage to 7 days.