



Blood Assurance

SOURCE PLASMA PROGRAM

Choosing Equipment

Aurora selected

- ▶ Good relationship with Fresenius Kabi - we use Alyx already
- ▶ Aurora has Alyx Brain
 - ▶ staff are familiar with the Alyx Icons
- ▶ Easy to operate





Blast Freezer Model Number XBF40MD selected

- ▶ Size
- ▶ Cost
- ▶ Familiar with Thermo Scientific





Plasma Freezer Model Number JDL430A for storage

- ▶ Size
- ▶ Cost
- ▶ Familiar with Thermo Scientific





Recruitment Plan

- ▶ Educate Donors and Staff
 1. Shock
 2. Burns
 3. Adult Respiratory Distress
 4. Cardiopulmonary Bypass Surgery
 5. Immune Deficiency Diseases
 6. COPD
 7. Bleeding Disorders
- ▶ Give realistic information on donation time
- ▶ Blood Types
- ▶ Gender
- ▶ History
 1. Have they given plasma within the last 28 days
 2. Can't be first time donor; need 1 set of test results



Donor Target

- ▶ B+ and A+ blood types
- ▶ Women that are HLA Class I/II positive
- ▶ Woman who use to give Apheresis but can't anymore due to HLA Class I/II positive test
- ▶ Blood types based on inventory and demand

Patient Needs Collection Grid



	OP	ON	AP	AN	BP	BN	ABP/ ABN	?
MALE and FEMALES that have never been pregnant or tested negative HLA class I/II	1 st PPA or PTA	1 st DRA	1 st PPA or PTA	1 st PPA or PTA	1 st PPA or PTA	1 st DRA	1 st PPA	1 st PPA or PTA
	2 nd PRA	2 nd PRA	2 nd DPA	2 nd DPA	2 nd PTA	2 nd PPA or PTA	2 nd DPA	2 nd WBD
	3 rd DRA or WBD	3 rd WBD	3 rd WBD	3 rd DRA	3 rd SAP	3 rd WBD	3 rd WBD	3 rd N/A
FEMALES that have been pregnant or HLA untested	1 st DRA	1 st DRA	1 st WBD	1 st DRA	1 st SAP	1 st DRA	1 st WBD	1 st WBD
	2 nd WBD	2 nd WBD	2 nd SAP	2 nd WBD	2 nd WBD	2 nd WBD	2 nd N/A	2 nd N/A
	3 rd SAP	3 rd N/A	3 rd N/A	3 rd SAP	3 rd N/A	3 rd SAP	3 rd N/A	3 rd N/A

SAP = Source

PPA/PTA/PRA = Platelets/Plasma/RC

WBD = Whole Blood

DRA = Double Alyx RC

DPA = Double Alyx Plasma



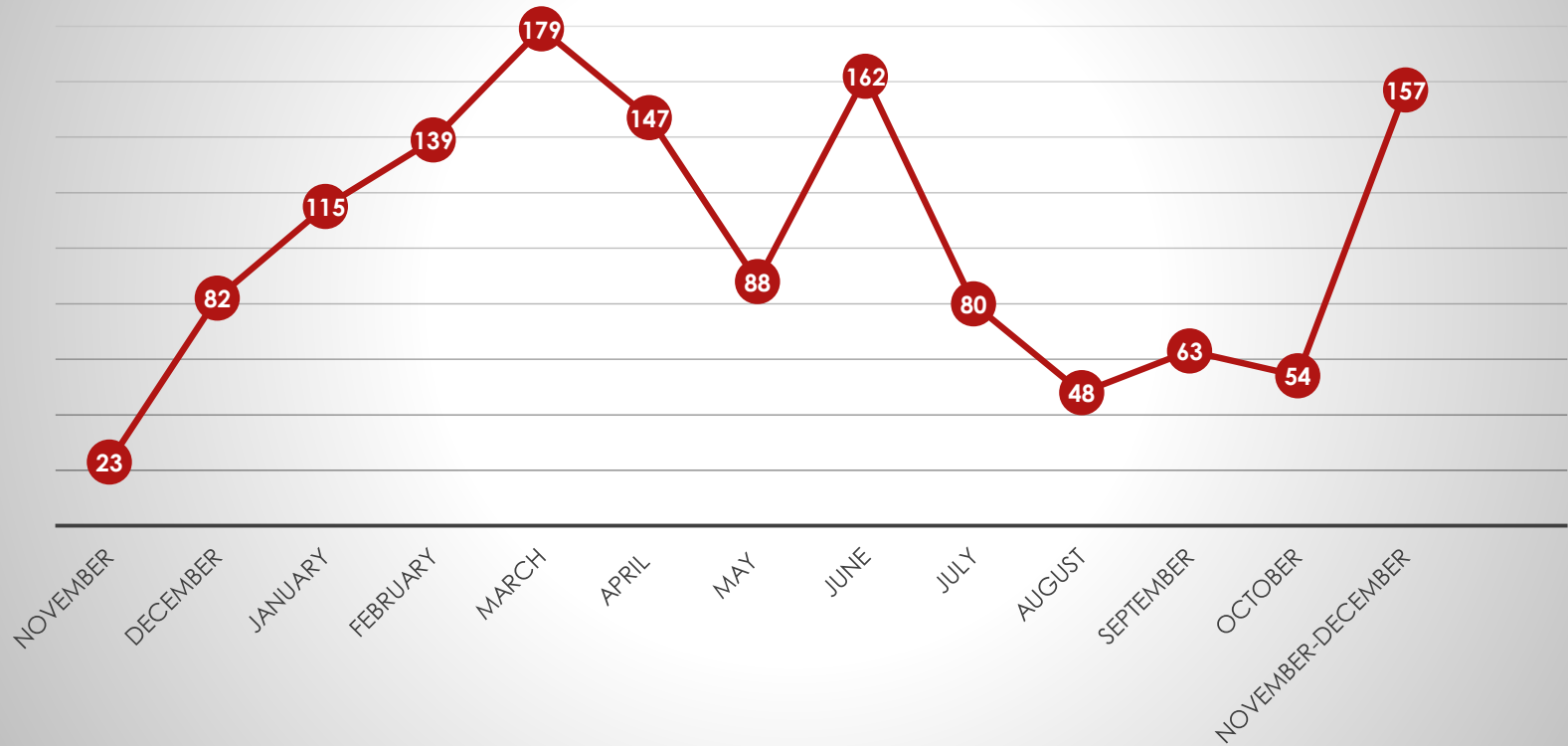
Timeline For Facility Collections and Trends

- ▶ Started Collecting Source Plasma November 12th, 2015 in Chattanooga
- ▶ North River Started Collecting Source Plasma February, 2016
- ▶ Tullahoma Started Collecting Source Plasma March 25th, 2016
- ▶ Cleveland Started Collecting Source Plasma April, 2016

At first, to get the staff familiar with the equipment, they were collecting all positive blood types

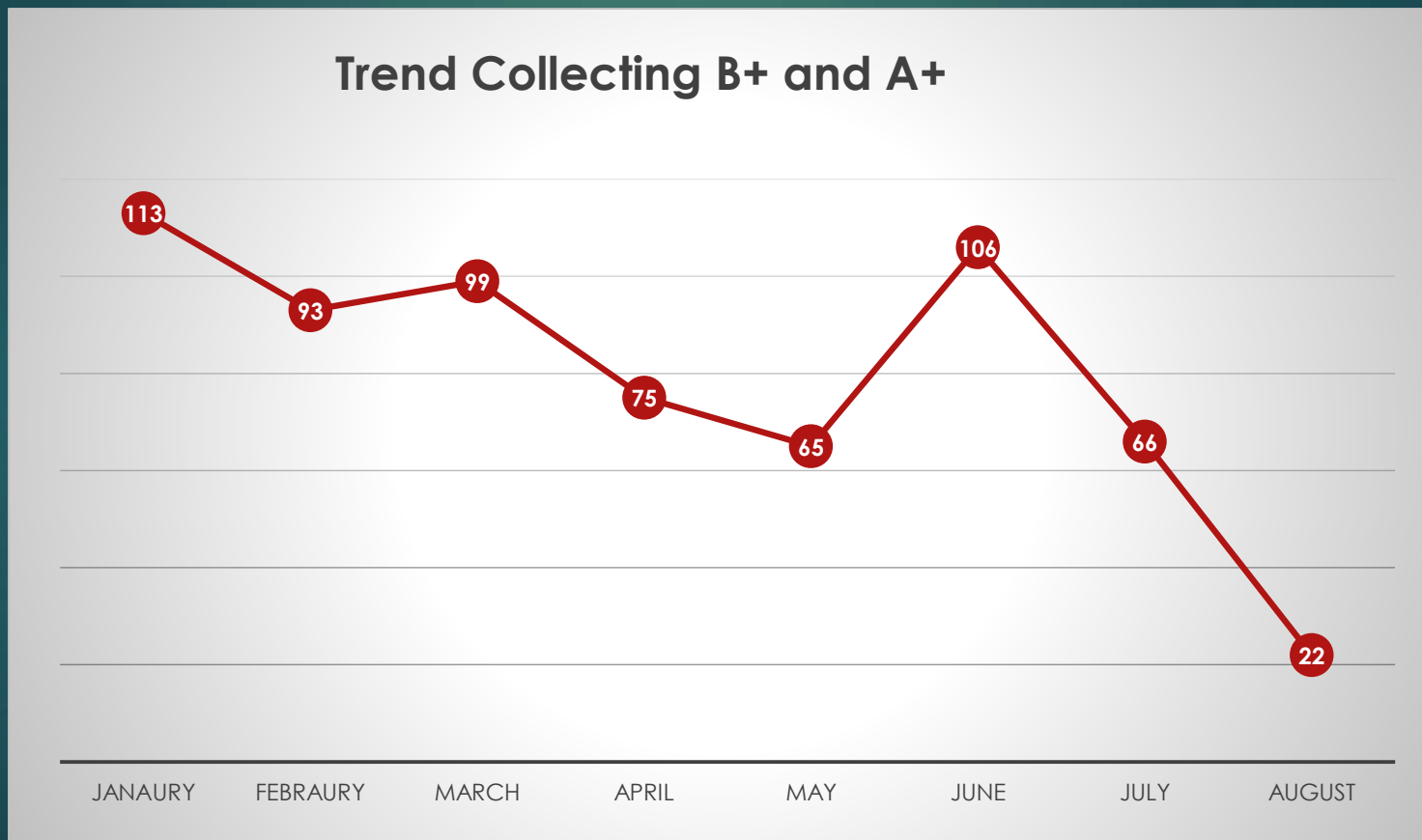


Trend Collecting All Positive Blood Types





Trend showing collections of targeted blood types based on inventory



SOURCE PLASMA PRODUCTION 2015





SOURCE PLASMA DISCARDS 2015

- ▶ VALIDATION/TRAINING ERRORS
- ▶ CLERICAL ERRORS (NOT DOCUMENTING TIME IN AND OUT OF FREEZER)
- ▶ BROKEN AFTER FREEZING
- ▶ POSITIVE TEST RESULTS



SOURCE PLASMA PRODUCTION 2016





SOURCE PLASMA DISCARDS 2016

- ▶ BROKEN AFTER FREEZING
- ▶ FROZEN TOO LATE
- ▶ NO PARVO TUBE DRAWN
- ▶ POSITIVE TEST RESULTS
- ▶ CLERICAL ERRORS (NOT DOCUMENTING TIME IN AND OUT OF FREEZER)



SOURCE PLASMA PRODUCTION 2017





SOURCE PLASMA DISCARDS 2017

- ▶ BROKEN AFTER FREEZING
- ▶ CLERICAL ERRORS
- ▶ NO TUBES DRAWN
- ▶ POSITIVE TEST RESULTS

