

OneBlood has experienced measureable benefits from implementing Variable Blood Volume (VBV) in their blood collection process.

BACKGROUND

An effort was undertaken to maximize the amount of plasma collected from each whole blood donor to improve the efficiency of each donation. OneBlood has the ability to provide fractionators with all additional plasma collected from their donors.

SOLUTION

OneBlood utilizes the HemoFlow 400XS “smart mixer” from Applied Science in their collection process. Applied Science introduced a new software feature for the HemoFlow 400XS device called VBV or Variable Blood Volume. This feature allows the device to maximize the collection via the use of an industry formula. The VBV feature, once installed, is seamless to the operator.

OUTCOME

PRE VBV

290 mL

On average, prior to implementing VBV, OneBlood collected 290mL of plasma.

VS

POST VBV

327 mL

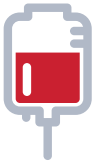
After implementing VBV, average plasma yield increased to 327mL.



6,213

actual WB Allogenic units collected in September 2015

6,213 = 229,881
x 37mL extra mL of plasma



For the month of September 2015, OneBlood collected a total of 6,213 whole blood units, which if VBV were implemented across all devices, would result in collection of an additional 229,881 mL of plasma.

SUMMARY

Based upon yearly whole blood collections of 650,000 units, when an additional 37 mL of plasma are collected per donation, the total annual increase of plasma collected is 24,050,000 mL, which if sold for 10¢/mL would achieve incremental revenue of **\$2,405,000** for the center.