



In The Know, On The Go

Announcing the new and improved Spectra Optia® Apheresis System
RBCX Calculation Tool

Patient Data



Sex



Height

1 ft 0 in - 8 ft 0 in

 

Weight

5 - 500 lb

Advancing Usability, Advancing Apheresis

Introducing the new and improved Red Blood Cell Exchange (RBCX) Calculation Tool for iOS® and Android™ mobile devices. This app provides a mobile solution to estimate the volume of replacement fluid you need to perform RBCX procedures on the Spectra Optia system.

With this tool, you can:

- Easily calculate the amount of fluid you need: Estimate the fraction of cells remaining (FCR%) and the volume of replacement fluid required for each patient after you input patient and procedure values
- Calculate your volume ahead of time: Determine the estimated volume of replacement fluid required for each patient in advance
- Use it anywhere: Make the same calculations as the Spectra Optia system, freeing you from the need to be in front of the device
- Access it on the go and offline: Use your iPhone®, iPad® or Android phone or tablet from any location, even without network connectivity



No QR reader? Go to RBCXAPP.COM, or visit the [Apple® App Store](#) or [Google Play™ store](#).

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QUICK TIPS

Patient Data

Sex Male Female

Height 1 ft 0 in - 8 ft 0 in ft in

Weight 5 - 500 lb lb

Hct 10 - 80% %

Blood Warmer 0 - 100 mL

Click the Settings icon at the bottom to navigate to software version, units, and language options

UNITS

Height cm ft, in

Weight kg lb

Choose the correct units of measure for your procedure within the Settings screen

Patient Data

Sex Male Female

Height 1 ft 0 in - 8 ft 0 in ft in

Weight 5 - 500 lb lb

TBV 500 mL - 15000 mL mL

Hct 10 - 80% %

Blood Warmer 0 - 100 mL

Screen titles show what information is needed

Starting (pre) %

Target (post) %

FCR 1% - 99% %

The results (FCR or Replaced: Exchange) are highlighted in green on the Run Targets screen

Calculate the FCR% by dividing the desired post-procedure hemoglobin S (HbS)% by the patient's pre-procedure HbS% (FCR% = PostHbS% / PreHbS%).

For more information about this helpful tool, contact your Terumo Blood and Cell Technologies representative.



This tool is not intended to be used for making medical decisions. Current patient and fluid data must be entered and confirmed on the Spectra Optia system before starting every procedure. Requires iOS 7.0 or later or Android OS 4.3 or later.

Indication statement: The Spectra Optia Apheresis System can be used to perform automated red blood cell exchange (RBCX) procedures for the transfusion management of sickle cell disease in adults and children.

Contraindications: Limited to those associated with the infusion of solutions and those associated with the automated apheresis system. Adverse events may include anxiety, headache, light-headedness, paresthesia, fever, chills, hematoma, fainting, or reactions to blood products transfused during procedures.

Please refer to the Operator's Manual for a full list of safety information about RBCX.

Restricted to prescription use only.



Terumo Blood and Cell Technologies is a medical technology company. Our products, software and services enable customers to collect and prepare blood and cells to help treat challenging diseases and conditions. Our employees around the world believe in the potential of blood and cells to do even more for patients than they do today. TERUMOBCT.COM