

SHARE YOUR HEALTH
AND VITALITY WITH
SOMEONE IN NEED



LARGE VOLUME PLATELETS

Benefits and Challenges

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Canadian Blood Services
it's in you to give

CBS Apheresis Team

Our team of 15 dedicated apheresis RNs perform:

- **CYTAPHERESIS**
 - Single platelets, large volume platelets, concurrent plasma
- **THERAPEUTIC PROCEDURES**
- **STEM CELL COLLECTION**

COLLECTION STATS

	Platelet	Therapeutic Procedures	Stem Cell Collections
2006/2007	4316	824	136
2007/2008	4283	745	154
2008/2009	4236	850	161

Platelets



- Platelets are one of the components required to make blood clot.
- By themselves Platelets make up only about 10-20% of the total volume of Blood. However, they are one of the four major components of whole blood.
- They are very delicate cell fragments, which are easily damaged or destroyed by medical treatments such as radiation and chemotherapy.
- Platelets only have a small storage life of 5 days

Why Donate Platelets?

- Patients with prolonged bleeding problems associated with some diseases, such as Leukemia and bone marrow transplants, require large quantities of platelets as part of their treatment.
- Since platelets only have a five day shelf life and many cancer patients can need them as frequently as every 8 days they are always in high demand.
- Six to eight regular “whole blood” donations may be required to provide enough platelets for one recipient. However, one platelet donation collected through apheresis from one single donor, can provide sufficient platelets for one transfusion.

How Often Can I donate?

- Platelet donors can give every 14 days to a maximum of 24 donations per calendar year. We encourage our platelet donors to donate 6 -12 times a year.
- Due to their short shelf life Platelets must be collected 6 days a week throughout the year. We also collect platelets every long weekend to ensure that there are enough platelets available during holidays.
- Please note that after a whole blood donation you must wait 56 days before donating platelets.

HOSPITAL NEEDS

- Every hospital in Canada places orders to Canadian Blood Services for blood products
- Less than 4 % of Canadians are donating any blood product
- Demand is increasing and we must respond to these increases
- Large Volume Platelets-LVP

LVP

- A large volume platelet is essentially two units of platelets from one donor during one collection
- Separated into two separate collection containers
- Can be used for two different patients
- Or used for one difficult HLA matched patient

TRIMA & HAEMONETIC MCS+



BLOOD.CA WWW.BLOOD.CA WW

LVP ELIGIBILITY

TRIMA

- Min plt count of 250
- Adequate weight
- Blood volume
- Hct
- A higher plt count, blood volume and size dictates run time
- No concurrent plasma

MCS+

- Min plt count of 280
- Adequate weight
- Blood volume
- Hct
- A higher plt count, blood volume and size dictates run time
- No concurrent plasma

How Long does it take to donate Platelets?



"Come on, faster, this is pathetic lads."

- To complete the entire process, a platelet donation requires between 1.5 to 2.0 hours of your time.

Who Can Donate Platelets?

YOU CAN!

- All blood types can donate platelets, although O-negative donors are encouraged to donate whole blood (they are universal donors for red blood cells which are needed for emergencies).

Programming for LVP

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BENEFITS

- High No Show and Cancellation rates have made it difficult to collect our daily targets for platelet units
- With LVP we are collecting over 100% of target collections weekly
- Inclement weather, bus strikes etc now less worrisome with the knowledge that we can 'catch' up with extra LVPs.

CHALLENGES

- Donor commitment, longer run times
- Appt schedule time restraints, 2 hour appt slots
- Donor recruitment-building our donor base
- Balancing required products; singles, LVPs and concurrent plasma
- Deferrals- ongoing with changing world issues (TRALI, Malaria, Chagas)

FUTURE

- Canadian Blood Services is committed to quality, integrity and safety
- We will continue to expand our services in response to our customer's demands
- Double Red Cell Collections
- Expanding Plasma Programs

We Need



YOU!!!

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Questions?

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