

ReproMed's Designated Donor (D.D.) Program Overview

*Dreams can come true...
let us help you achieve
your own miracle!*



Thank you for your interest in ReproMed's *Known Designated Donor Semen Program*. ReproMed is a world class medical facility that collects, processes, and cryopreserves human spermatozoa for future use in Assisted Human Reproduction (AHR) procedures. As the only clinic in Canada that operates a designated donor program, we provide D.D. services to patients and physicians across the country for use in their reproductive treatments.

Over the past 20 years, it has become a common practice to use donor semen in reproductive procedures to treat infertility. Since frozen specimens are legally required to be quarantined, the donors are screened to ensure specimens are free from sexually transmitted diseases, and with the strong guidelines of the Semen Regulation Act, this practice has become widely accepted with patient safety at the for front of the actual procedure.

ReproMed has been providing fully screened, cryopreserved anonymous donor semen specimens since 1990. As the Canadian leader in sperm bank services, we have assisted thousands of patients with achieving their dream of starting families. Some patients however are not aware that a designated donor program exists. Many recipients desire a more personal connection with their donor; some want to continue the genetic lineage of their partner by choosing a member of his family; others would like a donor of a certain ethnicity which is otherwise unavailable through anonymous donor selection; and there are patients who would like their children to have the opportunity to have a relationship with the donor. Whatever the reason in wanting to designate the donor, ReproMed can assist you with this choice as you plan your reproductive treatment. We recognize the act of donation is an altruistic gift to help create life for the many couples affected by infertility, single women, or women in same-sex relationships.

ReproMed screens all designated semen donors, in accordance with Health Canada Regulations and the Assisted Human Reproduction Act (AHR Act 2004). We evaluate semen specimens, obtain a medical and genetic history, screen applicants for sexually transmitted diseases, conduct a physical examination, and provide consultation to the recipient.



*Medical
Financing
available.*

iFinance

Ask us for more details!

ReproMed

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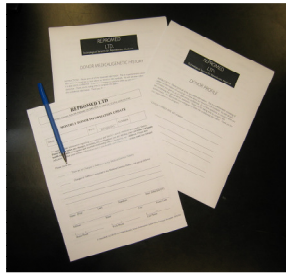
Screening and Special Access

In addition, the designated donor program allows recipients the opportunity to apply to Health Canada under the Donor Semen Special Access Program (DSSAP) for use of D.D. semen which would otherwise be prohibited under the Semen Regulations. Such prohibitions may include:

- age greater than 40
- extensive travel in areas affected by bovine encephalopathy
- male donors who have had same-sex relationships

We ask that donors possess a sincere, positive attitude with respect to semen donations. ReproMed strongly recommends that before the application process commences, recipients determine which form of AHR treatment they choose to undergo, and locate a physician who is able to perform that procedure using D.D. semen, particularly in the case of DSSAP application.

All appointments, original records and specimens are handled with the utmost confidentiality. If you have any questions, please ask us. We welcome the opportunity to answer your questions. Thank you for your interest in our program.



Designated Donor Program Application Process

The following is a guide for the Application and Screening process for designated donor applicants and their recipients.

Donors

- You will complete the following forms on the premises of ReproMed:
 - ⇒ Donor Application
 - ⇒ Donor Medical/Genetic History form detailing three generations of your family history
 - ⇒ Donor Profile
 - ⇒ Authorization for the release of medical information
 - ⇒ Semen Donor Agreement
- We will conduct a personal interview to review your application and discuss your reasons for wishing to become a donor.
- You will provide two pieces of picture ID.
- You will have your blood drawn for infectious disease screening, and the banking of serum and plasma for retrospective testing.
- You will have a complete physical and medical interview with the Medical Director of ReproMed Ltd.
- Semen, urine and/or blood specimens will be collected for any additional testing requested by your Recipient.

Recipients

- You will have a consultation with our Medical Director, Dr. Alfonso Del Valle or his designated, to discuss your own medical history, the results of all screening of your D.D. applicant, and to review his application file. You may address any questions or concerns you have about the program, AHR techniques, or any information contained within the file. You will discuss your current and future needs based on your D.D. applicant's semen quality, the AHR procedure you will likely undergo and the number of children you wish to conceive using his semen. This will determine the number of vials of semen and the type of processing required (based on semen quality and the type of AHR treatment you will be receiving), and the number of storage visits your D.D. will make.
- At this point you may opt to continue or discontinue the Application process for your D.D. based on your consultation and the contents of the D.D. Application file. You will complete the Recipient Agreement and the Application Consent to that effect, and the Consent for DSSAP, if applicable.
- If you choose to continue, you may select to carry out supplementary, optional testing to be performed for your D.D. Applicant at additional cost (e.g. Cystic Fibrosis, Tay Sachs screening, DNA fragmentation). See Optional Testing for more details.



Designated Donor Program Participation

During the consultation, the recipient will decide approximately how many visits will be required by the D.D. to store enough semen for her current needs, as well as for any future sibling pregnancies. This may take only a few visits, or many visits, depending on semen quality and number of vials needed. Visits should be made after 3-5 days of abstinence from ejaculation, to ensure the best quality specimen, and semen must be collected on site as per the Semen Regulations.

All Donor semen must be quarantined for at least 180 days (approx. 6 months) before it may be released for use. Release requires a final blood draw to be performed 180 days after the last semen specimen was stored. Receipt of the results will require around 4 weeks. Upon receipt of acceptable results, the specimens may be released from quarantine and shipped for use. For specimens that require DSSAP release, an application may be sent to Health Canada once the specimens are released from quarantine, and acceptance may be granted in 2-3 weeks.



known Donor Optional Screening

ReproMed's designated donors are screened for infectious diseases in compliance with Health Canada Semen Regulations, the Directive, and the Assisted Human Reproduction Act. This testing includes HIV I & II, HLTV I & II, Hepatitis B and C, Syphilis, Cytomegalovirus (CMV), West Nile Virus, SARS, Gonorrhoeae, Chlamydia, Herpes and genital warts (HPV).

In order to uphold the highest standards of patient safety and confidence, in addition to this required testing, many additional genetic and semen quality screening tests are routinely performed on ReproMed's anonymous donors. Many of these tests are also considered essential by the industry standard.

Upon consultation with our Medical Director, Dr. Alfonso Del Valle, you may request any of these optional tests to be performed on your Designated Donor or his semen specimens, for an additional fee.

<u>Genetic Screening</u>		<u>Supplemental Semen Analysis</u>
<p>Hemoglobin Electrophoresis - a haemoglobin structural analysis, which screens for the following conditions or traits:</p> <p><i>Sickle Cell anemia</i> (Applicants of African origin)</p> <p><i>α-thalassemia</i> (Applicants of Asian origin)</p> <p><i>β-thalassemia</i> (Applicants of Mediterranean origin)</p> <p>Tay Sachs - for Applicants of Jewish origin</p> <p>Cystic Fibrosis Screen - for Applicants of Caucasian descent</p> <p>Karyotype -chromosome analysis to detect chromosomal deletions, transpositions, mono- or polysomies, etc.</p>		<p>DNA Fragmentation - determines the integrity of DNA present in the Donor's sperm</p> <p>Sperm MAR IgA and IgG - the presence of anti-sperm antibodies in the semen may impair fertilizing ability - recommended for Recipients undergoing artificial insemination</p> <p>Sperm Morphology - an in-depth analysis of sperm structural abnormalities - Analysis performed by Strict criteria, as per the World Health Organization (WHO) Sperm Morphology Manual, 4th Edition</p>

Pricing

Most recipients are surprised to learn that on a per vial basis, designated donor sperm can be acquired at lower cost than purchasing anonymous donor sperm. It is very rewarding to know that this special and personalized program can be accessed in a cost effective manner in a patient's reproductive treatment.

DONOR APPLICATION \$870.00

Includes application compliance and initial infectious screening

INITIAL ASSESSMENT AND CONSULTATION \$1,150.00

Donor applicant semen analysis, cryopreservation assessment, Donor physical, testing, Donor / Recipient consultations, and file approval.

SPERM CRYOPRESERVATION *per visit, includes all microbiological / serological testing*

STANDARD \$315.00

PRE-WASHED \$375.00

Per visit, includes all microbiological/serological testing

QUARANTINE RELEASE \$550.00

Final Donor serological screening and release of specimens

PLEASE NOTE THAT NON-ONTARIO RESIDENT APPLICATIONS WILL BE SUBJECT TO ADDITIONAL FEES.