

### MALE FERTILITY PRESERVATION

OHSU offers state-of-the-art techniques to cryopreserve a patient's sperm prior to any course of medical treatment that may compromise male fertility. Cryopreserved sperm may subsequently be used with **intrauterine insemination (IUI)** or **in vitro fertilization (IVF)** when the patient is ready to start a family.

### SCHEDULING APPOINTMENTS

Appointments to cryopreserve semen are required but easily accommodated Monday through Friday from 7:30 AM to 12:30 PM by calling **503-418-3700**. Two to three days of sexual abstinence is recommended before each appointment if possible. Optimally, samples are collected in one of our private rooms via masturbation, or alternatively, may be collected elsewhere and brought in. Samples should be collected in a sterile Andrology Lab collection container or in a special condom provided by the Andrology Lab. Samples collected elsewhere should be brought to the Andrology Lab within one hour of collection and kept at body temperature during transport. Sperm may also be obtained by testicular biopsy if clinically indicated.

### REQUISITION

A physician's written order for sperm cryopreservation is **required** before the patient's first appointment. Requisitions must be faxed to 503-418-3708. The Andrology Lab will fax the cryopreservation results to the requesting physician.

### SUCCESS RATE WITH CRYOPRESERVED SEMEN

The average conception rate for IUI is 4-10% per cycle. More sperm is needed for successful IUI than for IVF. Success with IVF varies with the age of the female partner, but will generally range from 25-75% depending on many factors. IVF is particularly useful when the sperm parameters are less than ideal and not suitable for IUI, or there are not many samples cryopreserved. We recommend that patients discuss the optimal use of their frozen samples with a specialist in reproductive medicine at the appropriate time in order to maximize their chances for achieving a pregnancy.

### THE NUMBER OF SAMPLES TO FREEZE

Based upon knowledge of semen quality, conception rates, current technology, and time constraints, the patient, with the advice of his physician, must decide how many samples to freeze. Please be mindful that sperm cryopreservation does not guarantee future reproductive success no matter how many samples are frozen. **The goal is to preserve a reasonable chance at producing a pregnancy.** For IUI under ideal circumstances, the Andrology Laboratory recommends that sufficient sperm samples be cryobanked to provide thawed sperm for at least 4 intrauterine inseminations containing at least 10 million motile sperm in each. The number of samples needed to achieve this is entirely dependent on the sperm count and motility of each ejaculate. For IVF, sperm samples that are not optimal for IUI may effectively be used and fewer semen collections are needed. **The Laboratory will provide the cryopreservation data to the patient's physician and will indicate whether additional freezing is recommended** (since the laboratory does not have a history of the patient's needs or future desires, this recommendation is simply based on the semen parameters and the number of samples previously frozen). **Regardless of the number of samples cryopreserved, the options for their use should be carefully considered when the patient is ready to consider attempting a pregnancy.**

### CONSENT FOR THE USE OF CRYOPRESERVED SEMEN

**Cryopreserved sperm is the property of the individual who produced the specimen(s) regardless of his marital status.** The use of any of these samples for reproductive purposes is at the sole discretion of this individual. He must provide written consent for them to be used by any designated recipient. This also applies to the posthumous use of the samples. Control over the disposition of frozen sperm samples does not automatically transfer to a spouse, partner, or to relatives in the unfortunate circumstance that the patient who provided the samples is deceased. Future use of the samples by anyone is contingent upon written documentation from the patient attesting to his wishes under these circumstances.

<b>EACH SAMPLE FROZEN:</b>	Cryopreservation and assessment of sperm count and motility	<b>100.00</b>
<b>ANNUAL STORAGE FEE:</b>	One to 25 vials	<b>250.00</b>

More information available on [www.fertilityoregon.com](http://www.fertilityoregon.com) and [www.fertilehope.org](http://www.fertilehope.org)