

## TDI Specimen Quality Standards

ICI Unwashed vials contain a minimum of 15 million motile sperm

IUI Pre-washed Intrauterine insemination Vials contain a minimum of 10 Million motile sperm

ART Quality Unwashed contain a minimum of 8 million motile sperm

ART IUI Washed specimens contain a minimum of 4 million motile sperm

ART quality specimens are suitable for use in Assisted Reproductive Technologies such as IVF or ICSI as they have fewer motile sperm per vial.

Extensive fertility studies are done on the donors prior to being accepted in our donor program. Each donor specimen is analyzed before and after it is frozen to ensure the highest quality specimens. Sperm counts will vary depending on the lab personnel and the counting methods used by different facilities. The quantity of motile sperm in a vial can range up to 30% plus or minus the reported analysis results for the sample based on variations in the sample itself and in the counting method. Semen is a biologically active sample. Semen is not a homogenous or uniform mixture and counts will vary from one drop to the next. A variation in the count does not indicate that a sample is not suitable for insemination and that a pregnancy will not occur. Studies have shown that pregnancy rates are highest with 5 million motile sperm in an intrauterine insemination. International Cryogenics provides specimens that far exceed that number.

Based on the variations in semen analysis ICI will guarantee the quality of the provided samples under the following conditions. The total number of motile sperm is less than 30% of the guaranteed number of motile sperm based on the type of sample sent. For example a washed IUI specimen containing less than 7 million motile cells and ICI unwashed samples less than 10.5 million motile sperm.

The provided thawing instructions must be followed. Thawing specimens in a different manner will void any guarantee of the specimens. Washed IUI ready specimens can be thawed and used after the correct indicated amount of thawing time has been completed. ICI unwashed specimen can be used for a cervical insemination after the thawing instructions have been completed or they can be washed at the physician's lab for an intrauterine insemination. If the sample is going to be washed at the physician's office a pre wash analysis must be performed. We will not guarantee post wash analysis results as motile sperm will be lost during the wash and we have no control of how a sample survives the physician's wash procedure. Substandard specimens must be reported to us by the physician's office by phone within 30 days of thawing the sample. Samples that are stored at the physician's lab for more than 90 days will no longer be guaranteed as we have no control over the possible variation in temperature of their storage unit. ICI will not be responsible for the quality of specimens that are returned for storage and resent for future cycles. If two or more vials will be utilized for one procedure a pre-analysis must be done on each individual vial prior to combining them together.

If a specimen is deemed substandard, International Cryogenics will provide a replacement vial only if the patient does not become pregnant. Shipping fees for the replacement vial will be the responsibility of the patient.