

# Customer Testimonial: Success with Arctic Sperm Cryopreservation Medium

## Arctic Sperm Cryopreservation Medium from FUJIFILM Irvine Scientific Improves Workflow for Xytex Cryo International

### Helping to fulfill dreams of family

Xytex Cryo International has provided sperm cryopreservation services around the globe since 1975. Known for utilizing the latest technologies and procedures to cryopreserve donor sperm, Xytex owns and operates its own processing and storage facilities, providing peace of mind for those who wish to start or grow a family.

### Providing options to help open the doors to parenthood

Xytex strives to provide options that help individuals and couples open the doors to parenthood. With a commitment to being the most transparent and self-regulated sperm bank in the industry, Xytex exclusively accepts Identity Disclosed donors into their program; conducts expanded genetic carrier testing; offers the most adult photos for a glimpse into the future appearance of a child; and extensive donor vetting to provide ultimate peace of mind.



### Arctic SCM: Do more with less

After conducting extensive validation testing of egg yolk buffer-free cryoprotectant media, Xytex began using Arctic SCM in 2018 within its three Georgia laboratories. “Arctic gives us more consistent results with the samples compared with the previous medium,” said Elena Williams, Lab Supervisor, Augusta.

To measure consistency, Xytex records the factors of each sample, such as overall quality, and whether it passes or fails. By doing this, Xytex can see a cumulative report of donor samples broken down by donor, site, month, etc., as well as the pass/fail rate and total productivity of the company.

“We like that the storage is refrigerated, not frozen. Arctic SCM is easier to store, easier to aliquot. We actually improved our post-thaw survival rate up to 93%. Also, by using less medium, we have a lower dilution ratio and less waste. It is definitely cost-effective for us to use a medium with better performance for the same price as our previous product.”

“One big advantage is that we can process more neat samples because of the Arctic SCM 1:3 medium-to-semen dilution versus a 1:1 of the previous product we used,” added Williams.

“Switching to Arctic SCM improved our reputation with customers, especially those requesting that Xytex use a medium without egg yolk. Xytex has a good reputation as a sperm bank, but we are always striving to improve our credibility by addressing more the needs of our customers,” said Williams.



Elena Williams,  
Xytex Laboratory Supervisor, Augusta

## Xytex Profile

Xytex Cryo International serves healthcare professionals, families, and individuals across the globe. With three Georgia locations in Atlanta, Athens, and Augusta, Xytex is committed to providing unsurpassed quality to its clients.

- Longest-running sperm bank with over 40 years of experience
- Creating healthy families globally by shipping to over 35 countries
- Most adult donor photos/most Identity Disclosed Donors available
- Industry-leading comprehensive donor screening process
- Wide array of donors from esteemed universities



## Clean, consistent samples

Xytex noticed that by using Arctic SCM, they could avoid agglutination in certain samples. “It makes the samples a lot cleaner. We see consistent results with the donors who are doing well,” said Natalie Moscoso, Lab Supervisor, Atlanta. For Xytex, donors are classified by the percentage of passing samples and the donor’s overall state of health. Xytex was also able to process samples with the minimum amount of manipulation because of the 1:3 ratio (medium-to-semen) of Arctic SCM. Previously, the neat samples required a 1:1 ratio of freezing medium to sample.

“When processing neat samples, Arctic SCM provides an opportunity to minimize the manipulation of certain samples because of the reduced amount of freezing medium. We’re also not actually spinning the samples down as in the past. In general, we have more consistent results with the new Arctic SCM freezing medium. The previous product with egg yolk reacted differently sometimes with samples, and Arctic SCM is definitely more consistent with our processes,” said Moscoso.

## The secret of success

Along with Arctic SCM, Xytex uses FUJIFILM Irvine Scientific products Sperm Washing Medium and ISolate in its laboratories. “It’s always up to the donors” noted Moscoso with regards to successful results in the Xytex lab. “But we definitely couldn’t process the samples we have under what the clinics require if we didn’t have the media that we are using right now.”

“At the end of the day, we know that our customers and clinics are happy with the switch that we’ve made [to Arctic SCM] and this yields a higher recovery, so it’s about as successful as it can be right now,” added Williams.

## About Elena Williams and Natalie Moscoso

### Elena Williams, MT, ALS

With more than seven years of experience in the andrology field, Elena Williams is the Lab Supervisor for Xytex, Augusta. She reviews all donor units for satellite sites, ensuring that samples meet the required standard and oversees process documentation. Williams holds a Medical Technology certification for Andrology Lab Science from the American Board of Registry.

### Natalie Moscoso, ALS

Natalie Moscoso brings more than five years of andrology experience to her role as Lab Supervisor for the Xytex Atlanta location, and has worked previously within other areas of the IVF field. Moscoso oversees the donor program to ensure the results meet the consistent, high-quality standard required by Xytex and its clients. She holds the Andrology Laboratory Scientist qualification from the American Board of Registry.



We have more consistent results with the new Arctic SCM freezing medium.

*Natalie Moscoso,  
Xytex Laboratory Supervisor, Atlanta*



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