

10 Quick Facts About SEMEXX™ Sexed Semen

Significant investment in 2021 with **48 state-of-the-art sorting heads** at Semex Headquarters.



Fertility comparable with **conventional semen**



46 highly skilled technicians

90% purity for desired gender



Operating **24/7**



Semen quality is evaluated with cutting-edge technology and equipment

Official Sexing Technology®,

machines, media and protocols are used to produce a high quality product.



Fertility continues to improve and is tracked on **every bull sorted.**



Technicians train **300-900 hours** depending on the role



More machines to be installed **in 2022 to meet demand!**

Sexed semen is produced by using the proprietary technology of XY LLC and Inguran LLC. October 2021

With the additional investment, the lower sperm count and the importance of fertility when using sexed semen, it is very important to strictly adhere to these standard operating procedures (SOPs) for handling and thawing.

Animal to be bred **should be restrained** prior to removing the straw from the tank.

The time the canister spends in the neck tube to remove a straw should be **no more than 10 seconds**. Keep the canister below the frost line.

Flick the straw to remove any excess nitrogen.

Double check the water in your thawing device is at **35°C (95°F)**. Temperatures above 37°C (98.6°F) can destroy sperm which can be detrimental to the sperm count.

Use a timer and thaw for **45 to 60 seconds**.

Thoroughly dry the straw and immediately load into pre-warmed AI gun. Take all precautions to avoid cold shock to thawed straws.

Do not split straws especially with sexed semen.

Animal should be inseminated **within 5 minutes** of loading the AI gun.

Sexed semen must be deposited **inside the uterine body**.

HANDLING AND THAWING SEXED SEMEN

Use tweezers and never fingers when handling the straw.

Make sure the straws stay below the frost line in the nitrogen tank.

