

Managing Conception
Male – Bull and Insemination
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Which Bull Have YOU

- 5% of Bulls infertile
- 30% Subfertile
- 65% OK

Bull Issues- Conception

- Newly acquired Bull
 - Nutrition
 - Disease
 - Training
 - Fertility/Number of females
- Aged Bull
 - Nutrition
 - Fitness/Feet

Market demands fit bulls.
Time needed to prepare for
field service



Nutrition

- Purchase well in advance
- House with another animal-cull cow
- Reduce concentrates down slowly
- Feed during breeding season
- Get to know the bull

The commercial cattle herd



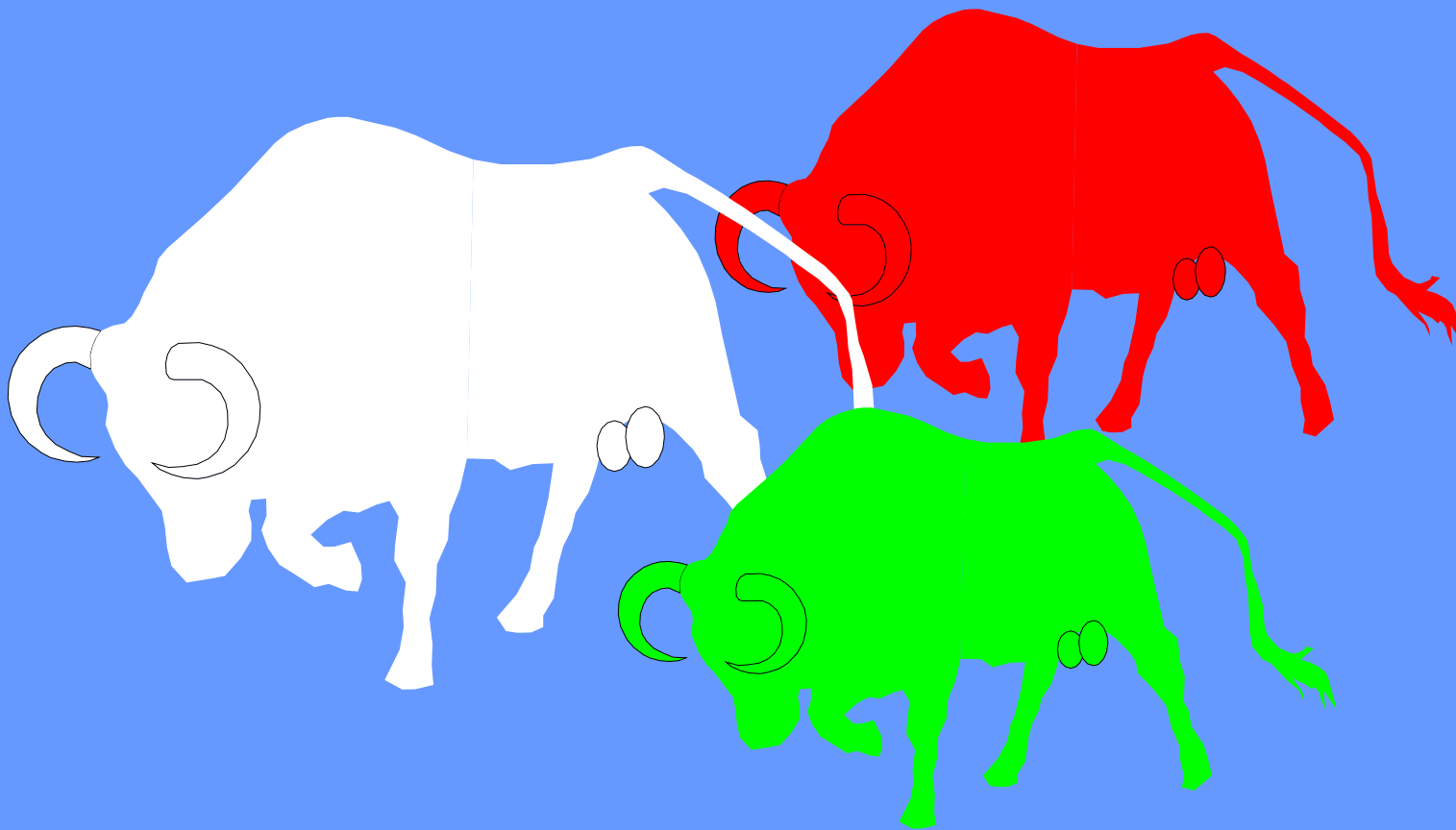
Guarantee Your Market

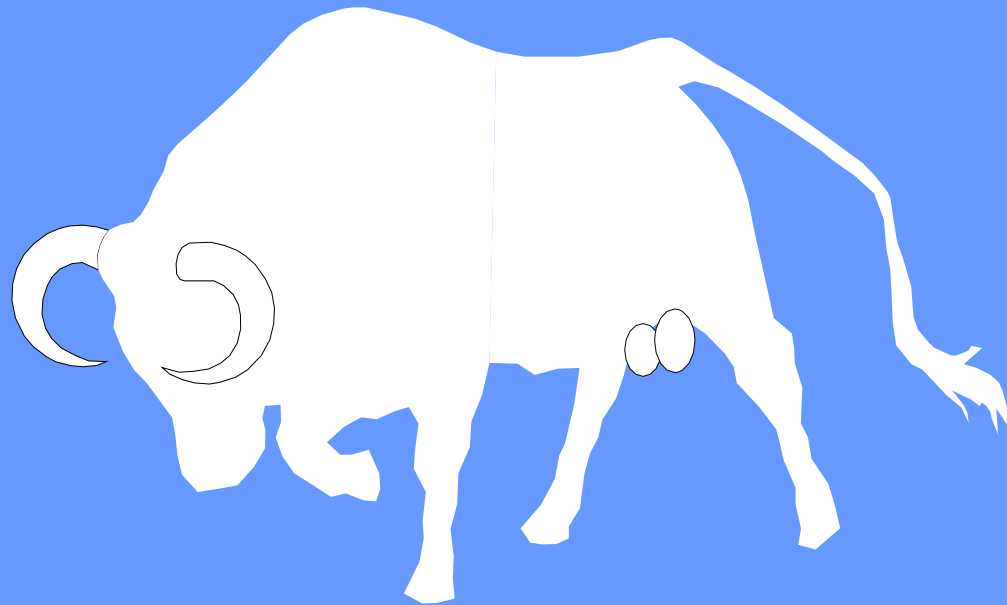
- Eradicate Disease
- Sell Accredited Stock
- Sell Pedigree Bulls With An
EBV Fertility & Health
Certificate

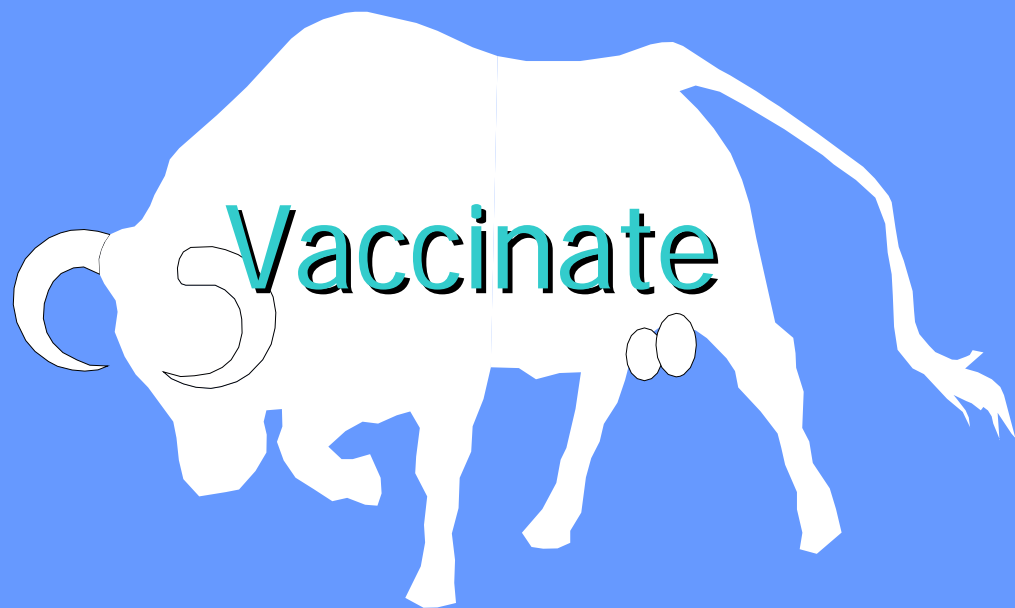


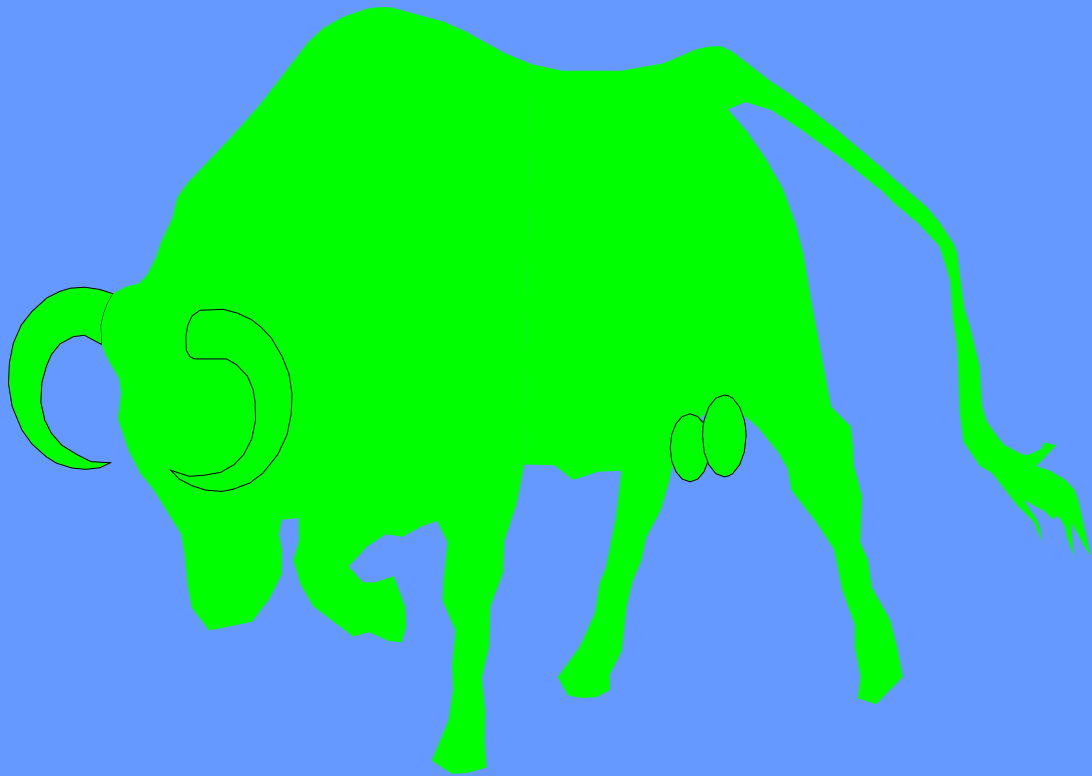
Minimum Requirements

- Bulls Sold Free of BVD virus
- From Herds That Are Free Of Johne's Disease









Persistently Infected Bull



- Infertile

- Mucosal disease

- Brings BVD into the herd

Training

Small cow fully on heat in a confined paddock



Older Bulls- Feet



Monitor CR'S

Higher fertility shorter time for 90% incalf



Careful of Blues



Liam O'...

Technical aspects of Insemination

- Correct semen handling
 - Straw retrieval without compromising remaining semen
 - Fast thawing
 - Avoid Temperature fluctuations
- Optimal insemination techniques
 - Insert semen in uterus
 - Avoid leakage of semen in the sheath and possible complete loss of semen

Insemination

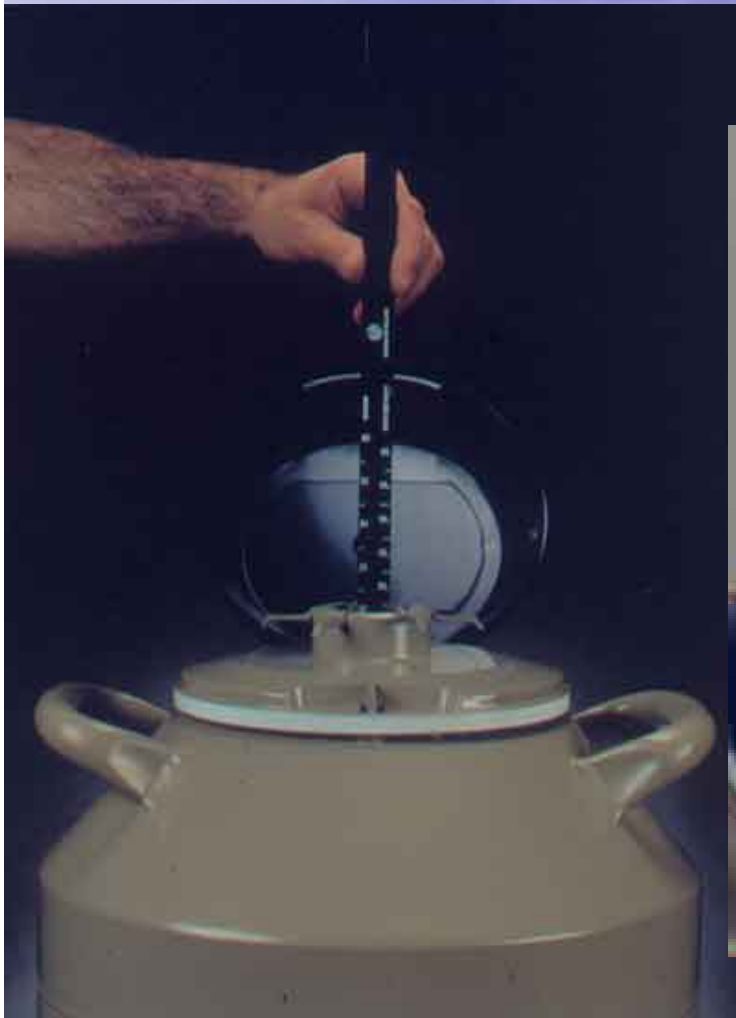
- Live semen
- Hygienically/Gently
- Right Place
- Right Time



DIY Box



Monitor Flask



Immediate Flask change

- Greater Nitrogen Use
- Exceptionally low temp of outer shell
- Frosting of the Flask mainly starts at the neck



Semen retrieval deep in neck

- Neck of flask 13cm long
 - Outside Opening +10 to +20 degrees C
 - Centre of neck -10 to - 25 degrees C
 - Inside opening -140 to -160 degrees C
- Every cm big impact
 - Avoid irreversible damage

Goblet Divider/Colour/ID Tags Itinerary Sheet



Straw Removal

Lighting

Deep in Neck

Hold 20 secs max

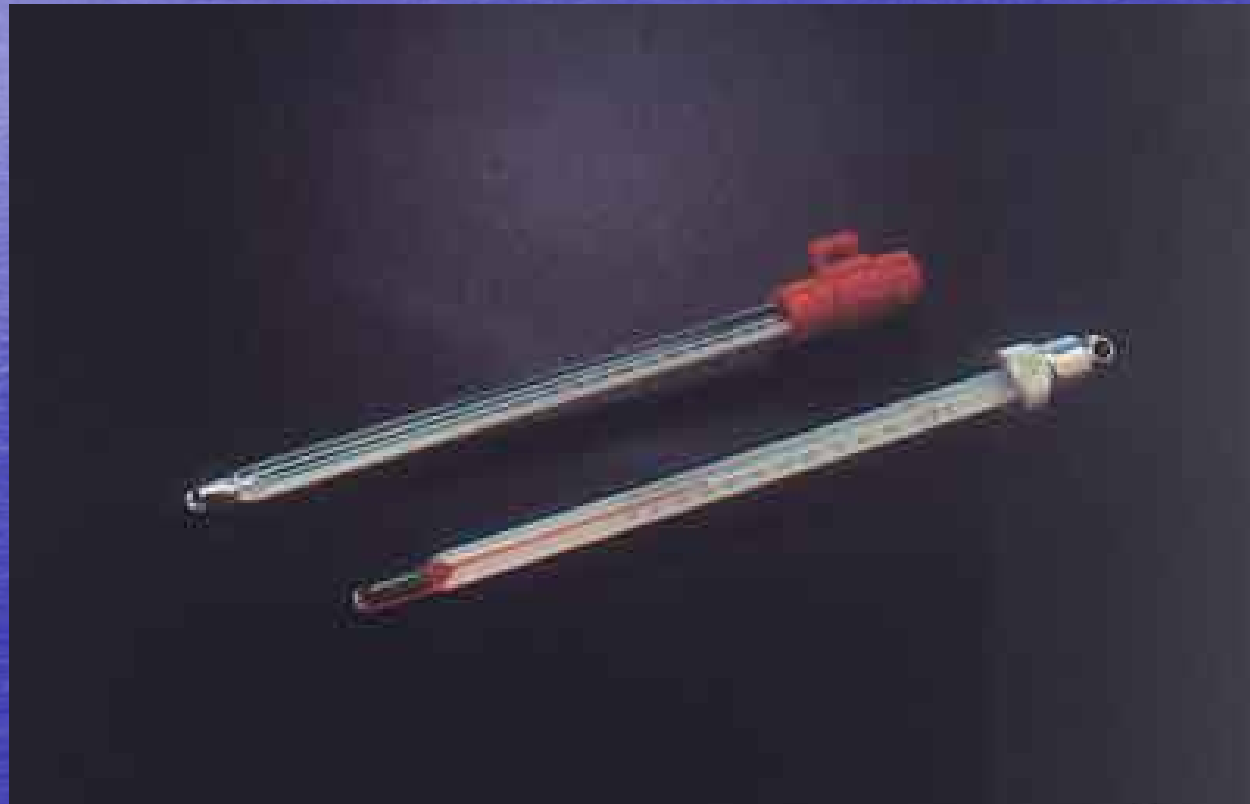


Fast Thawing
to 35-38
degrees C
25-30 secs

Thawing Kit
or
Flask



Avoidance of cold shock
Avoidance of heat shock



Dry Straw



AI Guns

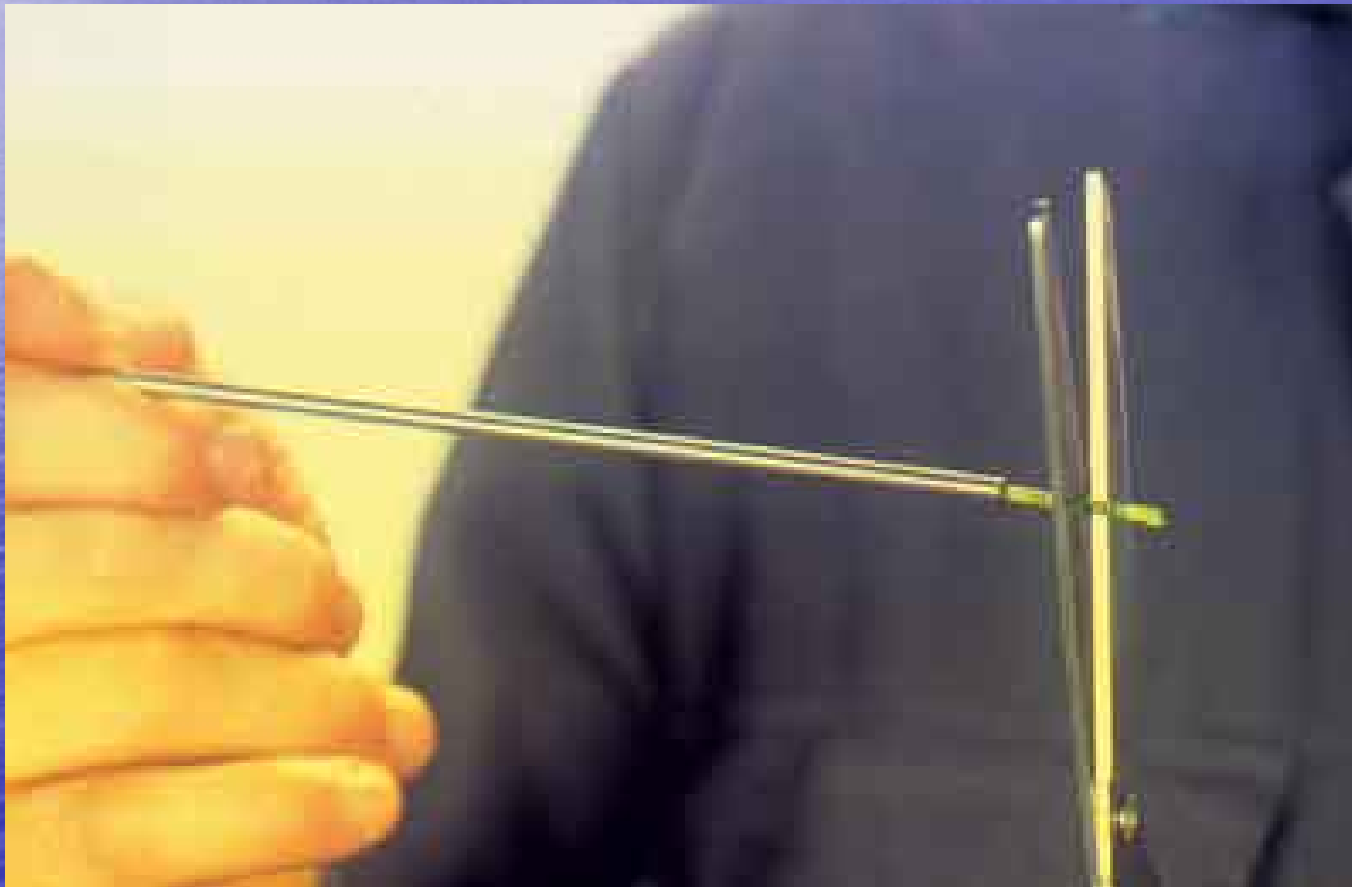
Uniform original instruments

Components are coordinated exactly



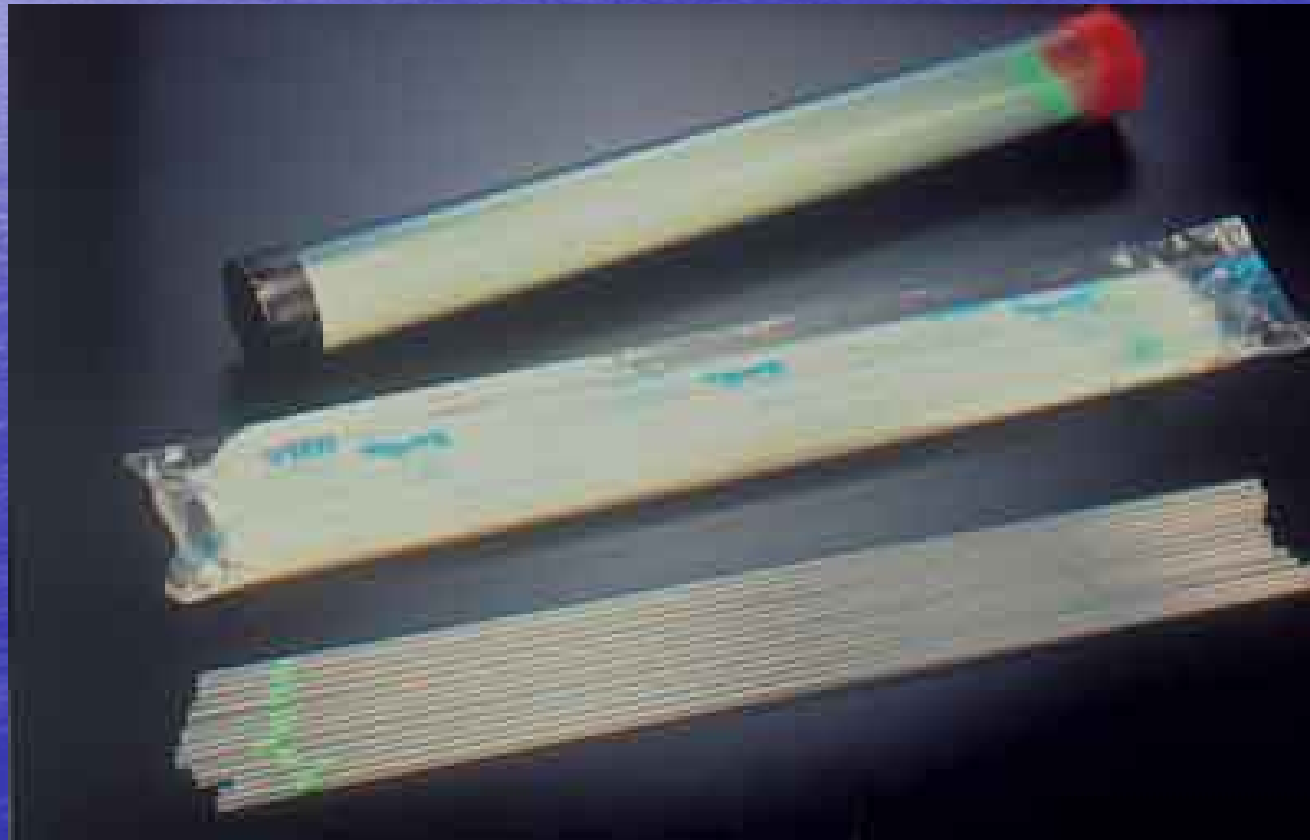
Cutting Straw

Straight cutting of straws with a sharp scissors to avoid crushing

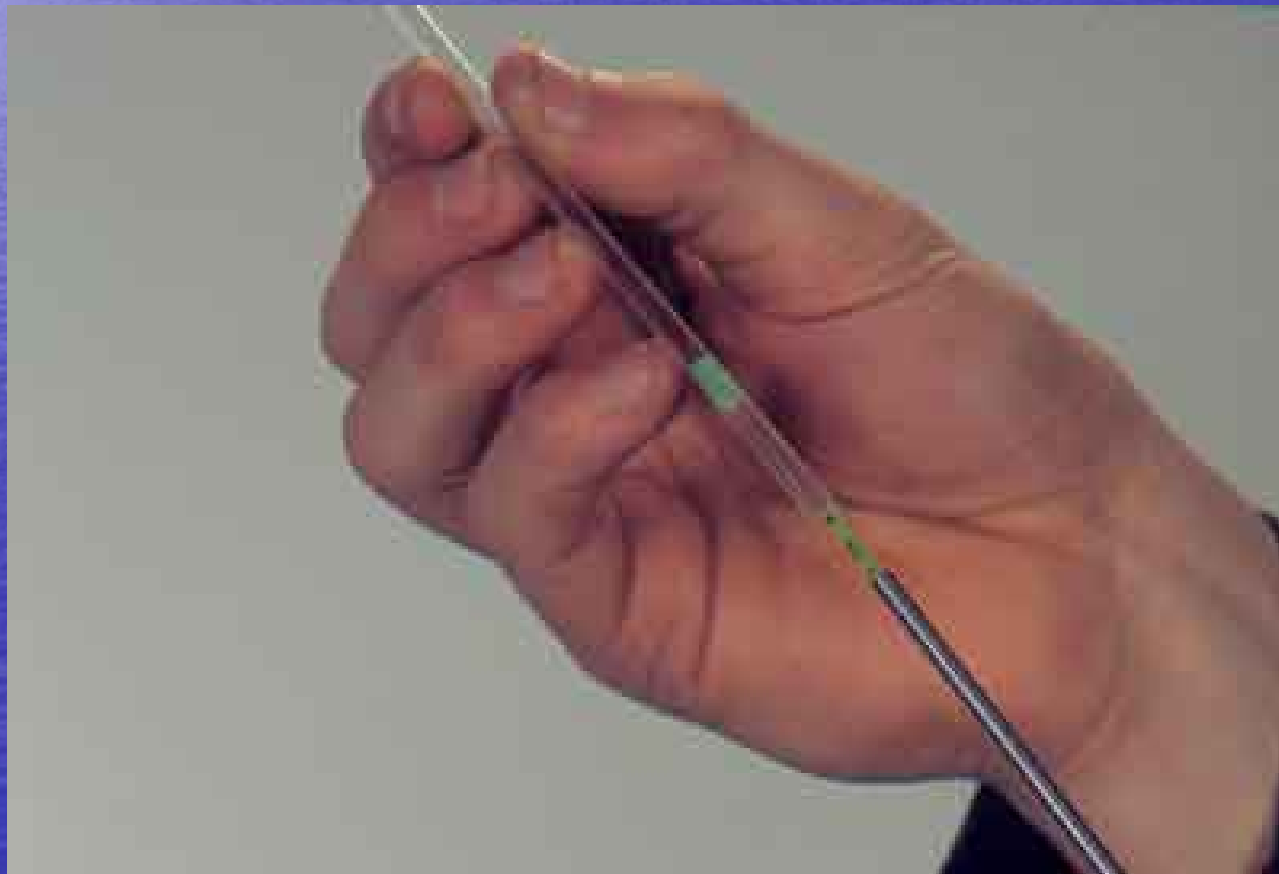


Sheaths

When subjected to direct sunlight and heat can become shortened and deformed which may not be noticed.
Store in cool, dry & dark



Move air bubble from plug end to cut end
Prime gun to get rid of air bubble
Avoid adherence of sperm cells high
surface tension



Load Gun/Protect from temp
fluctuations
Immediate use of thawed semen



Lubricating Glove

Avoid stress



Correct timing of Insemination

- Latter half of heat and up to 12 hours later
- Go early than late
- ENSURE SEMEN DEPOSITED IN UTERUS

Success

- Continuous Monitoring
- Benchmark
- Attention to detail
- Early intervention