

ADVANTAGES OVER CONVENTIONAL EMBRYO TRANSFER

1. Can be used on pregnant cows
2. Donors can be collected very 2 weeks
3. Sexed semen can be used to fertilize the oocytes with much greater reliability than in conventional flushing
4. Many cows that do not respond to conventional flushing will respond to an IVF program
5. Since sexed semen can be used successfully, recipient utilization can be optimized to produce 90-95% heifer calves

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REPRODUCTIVE SOLUTIONS
UTILIZING THE LATEST
TECHNOLOGIES INCLUDING
ULTRASOUND, ET AND IVF.
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ON FARM IVF PROGRAM



Above: Dr. Bill Croushore performs OPU on a pregnant donor to collect oocytes.

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In Vitro Fertilization

What is it? And How does it work?

Oocytes are collected by a process called Trans-vaginal follicular aspiration, also called oocyte pick-up (OPU). By using ultrasound guidance, a needle is inserted directly into the ovary from inside the vaginal canal. A vacuum pump is then used to aspirate the fluid in the follicle, bringing the oocyte with it. The oocytes are shipped in an incubator overnight to the lab where they are fertilized and cultured. The resulting embryos are shipped back in an incubator overnight for transfer in one week.

*There is very little risk to the donor animal. Theoretical risks include: bleeding, scarring and infection.

Boviteq™

White Oak Veterinary Clinic is an accredited
Boviteq OPU satellite

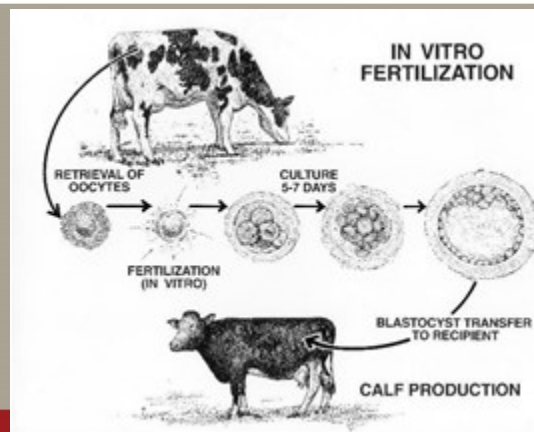


ON FARM IVF PROGRAM

On Farm IVF provides convenience for commercial producers who wish to capitalize on superior genetics in a cost effective manner. Virgin heifers that have been identified as genetically superior through genomic testing or proven cows can have OPU performed on farm. Collected oocytes are shipped to Boviteq in Madison, WI overnight. The resulting embryos are implanted 1 week later into inferior animals or frozen thus improving the genetics of the herd.

IS IVF Right for me?

- Do you have genetically superior cows or heifers?
- Do you have excess heifers?
- Do you want to remain competitive in today's dairy economy?
- Do you have a passion for herd improvement and profitability?



Dr. Bill Croushore, DVM is a partner at White Oak Vet Clinic, PC in Berlin, PA. He is certified by the American Embryo Transfer Association and offers complete fertility services, including ultrasound, conventional flushing and oocyte collection for IVF.



ON FARM MOBILE LAB

