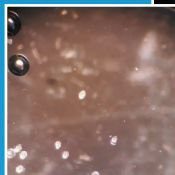
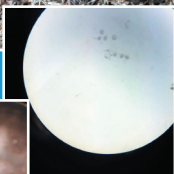


## Embryo Transfer

Castle Vets provide a complete Embryo transfer (ET) service including flushing, processing, implanting and/or freezing and storage. This will enable you to rapidly increase the numbers of high genetic merit animals in your herd, or simply provide a cost effective tool in the day to day management of your herd's fertility.

ET is an advanced reproductive technology recognised worldwide as the fastest and most economical method of genetic multiplication to increase the impact of outstanding animals in your herd. ET helps the breeder produce more offspring from cows that have proven themselves as good breeding animals and can also shorten the generation interval for faster genetic progress when flushing a heifer with great genetic potential.

Castle Vets also provide a 'stopper embryo' service where a cheap, easy calving embryo is non-surgically inserted into problem breeder animals seven days after their heat. This gives a cost effective increase in conception rates and provides an additional tool to keep highly productive animals within your herd.



# Castle Farm Vets

## Barnard Castle

Montalbo Road,  
Barnard Castle,  
Co Durham  
DL12 8ED  
T: 01833 695695

## Lanchester

Ashfield Veterinary Surgery  
1 Durham Road  
Lanchester  
Durham  
DH7 0LN  
T: 01833 695695

## Darlington Market

Unit 8, DFAM  
Humbleton Park,  
Darlington  
DL2 2XX  
T: 01833 695695

## Malton

T: 01833 695695

## Barnsley

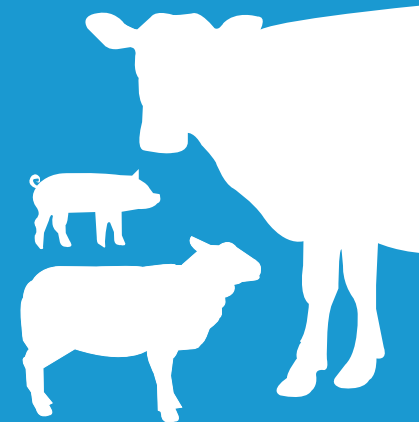
T: 01833 695695

E: [enquiries@castle vets.net](mailto:enquiries@castle vets.net)

W: [www.castlefarmvets.co.uk](http://www.castlefarmvets.co.uk)

# Castle Farm Vets

## Cattle Artificial Insemination & Embryo Transfer

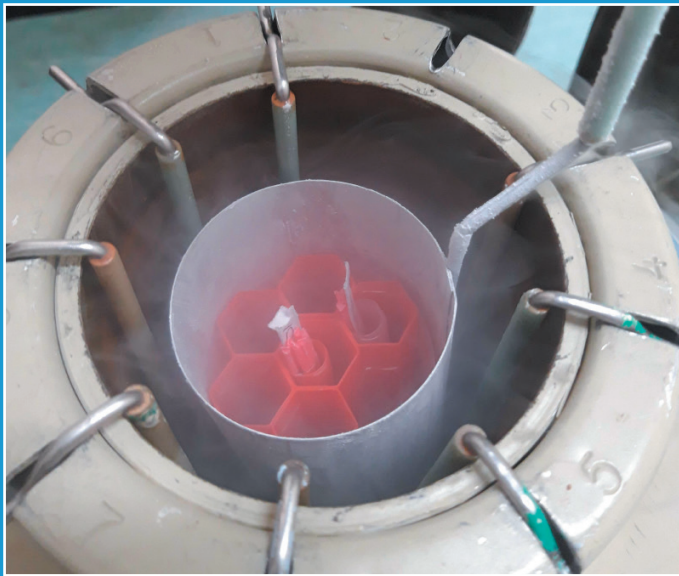


## Artificial Insemination

Artificial insemination is an extremely useful tool to allow new genetics to be brought into the herd without the disease risk of bringing a live animal into the herd or the cost of buying a bull of high genetic merit.

Artificial insemination is well established in the dairy herd as a way of increasing the rate of genetic improvement within the herd and this principle is just as applicable to the beef herd. As an additional benefit, AI allows replacement heifers to be bred on farm that are not related to the stock bull, therefore allowing the stock bull to be kept for longer and reducing bull replacement cost. Using AI on replacement heifers also reduces the risk of bullying injuries.

Castle Vets offers an AI and semen storage service, which we can easily combine with a synchronisation protocol; please ask us for more details.



## Synchronisation of Oestrus

Oestrus synchronisation is a useful way of reducing or eliminating the need for heat detection when AI'ing a batch of cattle. An added benefit of synchronisation is the ability to maintain a tight calving period and increase the number of calves born to the first cycle, which has been shown to improve herd profitability.

Synchronisation protocols usually revolve around the use of an intra vaginal progesterone device, such as a CIDR. There are however, several different synchronisation protocols available and it is best to discuss with a vet which is best for your herd.

A typical cost for vet visits, time and drugs to synchronise and AI a cow, would be

**£47 + VAT for a single AI program or**

**£57 + VAT for a double AI program.**

The only additional cost on top of this is the semen. This price is for a "gold standard" synchronisation protocol; which totally eliminates the need for heat detection, there are cheaper programs available, however some degree of heat detection may be necessary.

## Embryo Transfer - Costings

(All prices excluding VAT) All visits will be charged at half price. A minimum of four and a maximum of seven visits will be required, depending if the client is happy inserting CIDRs themselves and/or wishes to transfer fresh embryos. An estimate of 30-45 minutes time will be amassed and charged at these visits. The total cost of drugs for the donor cow and per recipient animal lined up will be £191 and £17 respectively.

**Flush cow at surgery = £180 (£80 if no embryos)**

**Process Embryo = £10 per embryo**

**Freezing = £15 per embryo**

**Implant Fresh embryo = £25 per embryo**

An example of the total costs to flush a cow, from a farm within our band C travel bracket, with the client inserting the CIDRs and us collecting and implanting six fresh embryos into synchronised heifers on flush day would cost £140/ embryo implanted.

We can also arrange and provide the required double insemination with farm or independently sourced semen.



## Typical synchronisation protocol

Day 0 insert  
CIDR and inject GnRH

Day 6 inject  
Prostaglandin

Day 7 remove  
CIDR

Day 8 inject  
GnRH

Day 9  
first AI

Day 10  
second AI