**Cattle IVF Process**

**Step 1**
Day 1: Oocytes collected in VitroCollect media by qualified vet. Semen collected from breeding stud animals (typically stored frozen).

**Step 2**
Day 1: Oocytes arrive at IVF lab. Qualified embryologist begins IVF process:
- Oocyte matured in maturation media for 24 hrs.

**Step 3**
Day 2: Semen washed in SpermGrad solution to harvest viable sperm prior to fertilisation.

**Step 4**
Day 2: Matured oocytes washed in VitroWash solution.

**Step 5**
Day 2: Gametes (oocyte and sperm) co-incubated together in VitroFert for 24 hrs to create embryo.

**Step 6**
Day 3: Embryo transferred to VitroCleave, and held for 5 days post fertilisation to support embryo cleavage (splitting of cells post fertilisation).

**Step 7**
Day 8: Embryo transferred to VitroBlast, for development of blastocyste for 2-3 days (up to 8 days post fertilisation).

**Step 8**
Day 10: Embryo either cryo-preserved in lab, or transferred to synchronized recipient by Vet same day it comes out of culture media.

**Step 9**
Pregnancy confirmed by vet at day 35 post fertilisation and live calf born following gestation period.