

Biotechnology: Status and Uses

Animal Science 434

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Reproductive Biotechnology's

- **Artificial insemination**
- **In vitro embryo production**
- **In vivo embryo production**
- **Embryo transfer**
- **Gender selection**
- **Genetic engineering**
- **Cloning**

In Vitro Production of Embryos

- **Oocyte isolation and maturation**
- **Sperm preparation**
- **Sperm capacitation**
- **Fertilization**
- **Embryo Development**