

EMBRYOLOGIST

An embryologist provides reproductive services and research in the areas of embryo creation, IVF (in vitro fertilization), cloning, and transgenic animal production.

WHAT RESPONSIBILITIES WILL I HAVE?

- Prepare embryos for research purposes
- Perform IVF, artificial insemination, cryopreservation of embryos and embryonic transfer
- Coordinate and schedule farm trips for retrieval of animal eggs and sperm
- Set up filters, medias and supplies used during the collection of embryos
- Rinse, search, wash and accurately grade embryos according to protocols
- Freeze embryos for storage in liquid nitrogen
- Monitor and fill nitrogen storage tanks when needed
- Perform oocyte searching and evaluation for IVF
- Monitor and record temperatures and other appropriate information
- Maintain, clean and label collection vessels
- Maintain embryo inventories
- Complete documentation of pertinent information
- Reorder supplies when needed
- Assist veterinarians when necessary
- Participate in new product creation by serving as a consultant
- Perform quality control of embryology media



WHAT EDUCATION & TRAINING IS REQUIRED?

A bachelor's or master's degree in animal reproduction, animal science or biology is required

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, biology, anatomy, animal science, computer courses, mathematics

TYPICAL EMPLOYERS

Research firms, universities, and large-scale animal health and production companies

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- International Embryo Technology Society
- American Embryo Transfer Association
- American Society of Animal Science

AVERAGE ANNUAL FULL-TIME SALARY

\$39,000