

Fundamentals of Animal Science Certification



The Elanco Fundamentals of Animal Science Certification verifies individuals have acquired the foundational knowledge and skills to pursue a career within the animal science industry.

Certification Exam

The certification exam, tested for on the iCEV platform, consists of 100 questions and assesses knowledge and skills from the following weighted industry standards:



15%

Animal Breeding



20%

Animal Health & Wellness



25%

Animal Management Practices



15%

Species Identification



25%

General Animal Science

Meeting the Industry Need

- Assesses Competencies Based on Weighted Industry-Valued & Industry-Accepted Standards
- > Validates Knowledge & Skills
- Allows Employers to Identify & Connect with Skilled Candidates
- > Jump-Starts Individuals' Careers

Industry Standards Breakdown

General Animal Science

Origin & Evolution of Livestock Terms & Terminology (beef, dairy, horse, sheep, goat, swine, poultry) External Anatomy Meat Inspection Regulations Harvesting Process

Animal Breeding

Animal Microgenetics (cell division, embryo development, structure/ composition of genes)
Breeding Systems (grading up, crossbreeding, inbreeding, linebreeding Breeding Methods (pen, stud, artificial insemination, embryo transfer) Cloning

Animal Health & Wellness

Common Diseases (nutritional, bacterial, viral, parasitic, fungal, genetic)
Common Parasites (internal, external)
Basic Surgical Procedures (dehorning, castration, tail docking, teeth clipping, lancing)
Injection Methods (intramuscular, subcutaneous, intravenous)
Injection & Vaccination Rules and Regulations

Animal Nutrition

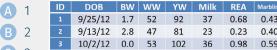
Digestive Systems (ruminant, monogastric) Digestive Requirements & Nutritional Needs (ruminant, monogastric) Balanced Rations Feeds & Additives Hays & Legumes

Animal Management Practices

Production Systems Handling & Equipment Nutrition & Health Selection & Breeding Management Practices

Example Assessment Questions

- 1. If a lamb consumes three pounds of feed per day, about how many pounds of water should he consume?
 - A 6 to 15 lbs.
 - B 2 to 5 lbs.
 - 10 to 14 lbs.
 - 15 to 18 lbs.
- 2. Diarrhea, straining, loss of appetite and fever are symptoms common with which of the following diseases?
 - A Haemonchus contortus
 - Coccidiosis
 - Milk fever
 - White muscle disease
- 3. Weighing all EPDs, overall, which of the following bulls is superior to the rest?



4	Angus Breed Averages		1.8	46	83	23	0.13	0.39
3	4	9/8/12	1.2	50	90	38	0.45	0.24
	3	10/2/12	0.0	53	102	36	0.98	0.59
3 2	2	9/13/12	2.8	47	81	23	0.23	0.40
	1	9/25/12	1.7	52	92	37	0.68	0.43



Testing Platform

Elanco utilizes iCEV as the testing platform for this certification

iCEV fulfills the following responsibilities:

- 1. Provides secure testing technology for certification exams
- 2. Regulates testing environments
- 3. Works with secondary and post-secondary academic institutions, workforce development associations and the public at large to offer certification options for career advancement
- 4. Provides certification verification to employers for potential job applicants

Schedule a Demo & Get a Free Trial

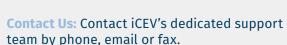
Schedule a demo today to discuss:

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- Solutions to teaching challenges with iCEV support
- How you'll be supported by the iCEV team

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"Career opportunities within animal health are more vast and evolving than ever before. It is key for students to understand the dynamics of this highly innovative space and get real-world training from experts in the field.."

Eric Schilling

Director of Learning & Development

About Elanco

Elanco is a global animal health company that develops products and knowledge services to prevent and treat disease in food, animals and pets in more than 90 countries. With a 64-year heritage, Elanco rigorously innovates to improve the health of animals and benefit customers, while fostering an inclusive, cause-driven culture for more than 5,800 employees. Elanco is driven by their vision of food and companionship enriching life - all to advance the health of animals, people and the planet.