

لغات مربوط به animal testing

در اینجا ۵۰ واژه کاربردی انگلیسی مرتبط با آزمایش بر روی حیوانات و معنی فارسی آنها آورده شده است:

1. Animal Testing - آزمایش روی حیوانات
2. Research - تحقیق
3. Ethics - اخلاقیات
4. Vivisection - جراحی بر روی حیوانات زنده
5. Laboratory - آزمایشگاه
6. Subject - موضوع (آزمایش)
7. Model - مدل
8. Experiment - آزمایش
9. In vivo - درون زنده
10. In vitro - درون شیشه
11. Fur - خز
12. Toxicity - سمیت
13. Animal Welfare - رفاه حیوانات
14. Regulations - مقررات
15. Approval - تأیید
16. Alternative Methods - روش‌های جایگزین
17. Consent - رضایت
18. Humane - انسانی

19. Dissection - تشریح
20. Clinical Trials - آزمایش‌های بالینی
21. Health Effects - اثرات بهداشتی
22. Biotechnology - بیوتکنولوژی
23. Genetic Testing - آزمایش ژنتیکی
24. Pharmacology - داروشناسی
25. Veterinary - دامپزشکی
26. Pain Relief - تسکین درد
27. Control Group - گروه کنترل
28. Data Collection - جمع‌آوری اطلاعات
29. Ethical Review - بررسی اخلاقی
30. Animal Rights - حقوق حیوانات
31. Reproducibility - قابلیت تکرار
32. Euthanasia - عقیم‌سازی
33. Surgical Procedure - روش جراحی
34. Animal Rescue - نجات حیوانات
35. Testing Procedures - رویه‌های آزمایش
36. Biological Response - پاسخ بیولوژیکی
37. Pharmaceuticals - داروها
38. Tissue Culture - کشت بافت
39. Veterinary Research - تحقیق دامپزشکی
40. Species - گونه
41. Acclimation - خوگیری

42. Infection - عفونت
43. Disposal - دور انداختن
44. Colony - (گروه حیوانات) کلونی
45. Survival Rate - نرخ بقا
46. Pathology - آسیب‌شناسی
47. Testing Protocols - پروتکل‌های آزمایشی
48. Comparative Studies - مطالعات مقایسه‌ای
49. Humane Society - جامعه انسانی
50. Ethical Considerations - ملاحظات اخلاقی

Animal testing

Animal testing is a controversial practice used in research to evaluate the safety and efficacy of new products, especially in the fields of pharmacology and biotechnology.

This process often involves vivisection, where live animals are subjected to surgical procedures to study their biological responses. Ethics play a crucial role in the debate surrounding animal testing.

Advocates for animal welfare argue that animal rights must be respected and that testing should minimize suffering. Regulations are in place to ensure humane treatment, and ethical reviews are conducted before experiments can proceed.

Researchers often use both in vivo (live subjects) and in vitro (test tube) methods. While clinical trials can provide valuable data, alternative methods are being developed to reduce the need for animal subjects.

These include tissue culture and genetic testing, which aim to replicate the biological responses seen in live animals without causing harm. The control group in these experiments is vital for data collection and helps to establish the toxicity of the substances being tested. However, researchers must navigate ethical

considerations, ensuring that they follow proper testing protocols and obtain the necessary approval for their studies.

As science progresses, the focus on humane practices and the development of alternative methods continues to grow, pushing for a future where animal testing may become obsolete. The welfare of these subjects and the integrity of scientific research must go hand in hand, fostering a balance between progress and compassion.

!اگر سوالی دارید یا نیاز به اطلاعات بیشتری است، در خدمت شما هستم