

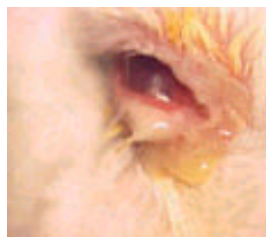
Commonly Used Animal Tests

Some of the most **commonly used animal tests** are explained as follows:

The LD50 Test: Animals are force-fed huge quantities of substances until 50% of them die. Animals display symptoms of poisoning; vomiting, diarrhea, paralysis, convulsions and internal bleeding. Many of the animals die not from poisoning, but from burst or ruptured intestines, caused by the force feeding process.



The Draize Eye Test:



Concentrated substances are applied directly to the eyes of restrained and un-anesthetized animals. This involves terrible, long-lasting pain with swelling, discharge, blistering and destruction of the cornea.

The Draize Patch Test:

This test also involves the immobilization of the animals in restraint devices. Then the animals' skin is shaved until raw and the test product applied, resulting reactions include severe chemical burns.



Behavioural Studies Using Animals:

Cruel studies involving the separation of newborn monkeys from their mothers (commenced in 1949 by Dr Harry Harlow) are still being conducted by Dr Stephen Suomi, Director of the Intramural Primate Center, in the US. Their finding: that "the monkeys become psychotic and are unable to form adequate social relationships in adult life" comes as no surprise!

Behavioural studies using animals cannot even begin to explain complex facets of human depression, disturbance to the thinking process (eg. affecting verbal communication) or psychiatric conditions such as schizophrenia, etc.

Where Animal Research Would Hamper Drug Release And/Or Results

Listed below are **some** of the known HUMAN/ANIMAL anomalies:

- **Aspirin** (toxic to cats, birth defects in dogs & cats)
- **Penicillin** (toxic to guinea pigs)
- **Morphine** (causes excitement in cats)
- Rats and Mice cannot vomit.

Animal Research Causing Detrimental Effects To Humans!

- **6-Azauridine** Cancer drug (kills dogs within hours)
- **Blood Transfusions** delayed for over 200 years!
- **Clioquinol*** (treat diarrhea) (Birth defects)
- **Eralddin** Heart Drug (Death)
- **HRT** Hormone Replacement Therapy (Cancer)
- **Opren** Anti-arthritis (Liver, Kidney damage, Death)
- **Tamoxifen** Contraceptive (works for rats but not for humans)
- **Teropterin** Childhood Leukemia (Death)
- **Thalidomide*** (Birth defects)

(*still available and/or product renamed)

Written and distributed by:

Anti Vivisection WA (Inc)

"Working to end experiments on animals!"

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References:

- Choose Cruelty Free, PO Box 12005 A Beckett St, Melb 3000
- NAVS (National Anti Vivisection Society)
- *Operation Frog* © Ashton Tate and *Froguts.com* ©
- PCRM (Physicians' Committee for Responsible Medicine)
- *Responding to the Media*; Medical Research Modernization Committee (MRMC); 11 West 60 Street, Rochester, NY.
- *Vivisection is Scientific Fraud*; Ruesch, Hans; Talstrasse 40 CH-7250 Klosters Switzerland.



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"Working to end experiments on animals!"

What are the Alternatives?



This leaflet has been produced by

Anti Vivisection WA (Inc)

to help explain that there

ARE ALTERNATIVES

to research and experiments using animals!

Say NO to Vivisection!

There are more than enough cosmetics, oven cleaners, pesticides and “copycat” drugs on the market today.

Animal tests also make it impossible to discover how a drug makes a person feel or predict potential side-effects (eg. headaches, dizziness, hallucinations, etc).

So why are animals still being used in these tests?



The “Old Way” Is Not The Right Way!

Research and medical discoveries are often hindered because researchers stubbornly cling to outmoded animal testing techniques. They seem reluctant to develop new non-animal tests or embrace current non-animal technology.

Often they fall back on the excuse that animal testing is the requirement of legislation. This is untrue; as scientists themselves are the only ones who can make the successful transition of non-animal testing into the legislative and legal arena.

It is important for the health and wellbeing of the general public to ensure that this transition takes place as soon as possible by maintaining constant pressure on both the scientific and political worlds to adopt humane non-animal alternatives.



Computer Modelling & Teaching Aids

Computer and **mathematical models** are currently available that can predict how a chemical or drug will interact with or react to the human body.

Hundreds of thousands of chemicals and drugs have been entered into **databases**, including dosage and quantities, reaction with other chemicals and/or tissue and organ damage, etc., providing extremely accurate and useful results.

Rat LD50 Test is a computer model of the LD50 test developed by Dr Kurt Enslein, Health Designs Inc.

Operation Frog® Is a computer program of a simulated dissection of a frog. **Froguts.com**® An online and “virtual dissection” of a frog. Smithsonian Institutes’ **Frog Lab**® allows the creation and dissection of a frog that looks and feels real. Also available **Anatomy Lab**® in the same series. All are alternatives to dissection!

STAN® (short for Standard Man) is a Human Patient Simulator helping medical and nursing students learn how to treat dozens of illnesses without harming patients or animals. Stan can be “brought back to life” to practice over and over again.

Rescue-Critters® are manikins to train veterinary students. The rescue-critters are life sized, realistic looking manikins of dogs and horses with the ability to be intubated.



What the Doctors say ...

“Animal Experimentation inevitably leads to human experimentation. Animal models differ from their human counterparts. Conclusions drawn from animal research when applied to human disease are likely to delay progress, mislead and do harm to the patient.” Moneim A Fadali, MD Cardiac/Thoracic Surgeon, UCLA.

“... Pre-marketing research on animals is a lottery; post-marketing surveillances comes too late for the first human victims of side effects.” Dr Peter Mansfield, GP.

“An experimental model of the human being does not exist” Prof. Petro Croce.

Explaining Some Non Animal Tests In Vitro (Test Tube) Alternatives

The Ames Test: Developed by Dr Ed Ames, this test uses bacteria (salmonella). When the bacteria are exposed to human or animal cells and a chemical to be tested, the test can reveal the potential for the chemical to cause mutations, or changes to gene structure.

Skintex: This test uses human skin cells that have been grown in a special solution. These cells show how much damage a product does and the results tell us how human skin is affected. This test is an alternative to Draize Skin Irritancy tests that use animals such as rabbits and guinea pigs.

Also **Episkin** and **Corrositex**, both based on human collagen, and a human skin cell test called **EpiDerm**® are alternatives to the Draize Skin Irritancy Test.

Eyetex: An alternative to the Draize Eye Test and already used to test over 10,000 chemicals, this special protein mixture becomes cloudy if a product has the ability to cause irritation. It acts like the cornea of a rabbit’s eye but produces more accurate results than animal tests. .

Microtox: This test uses special bacteria that give off light as part of their normal respiration. The more poisonous a product is the less the bacteria respire and less light produced. Another alternative to the LD50 and other poisoning tests!

Medical Advancements Without Testing On Animals!

- Antabuse® (for alcoholism)
- Artificial Hip
- Asepsis
- Brock’s technique (for blue baby syndrome)
- Chloroform
- Cocaine
- Cortisone (as an anti-inflammatory)
- Digitalis
- Epidemiology
- Ether
- Gas Spectrometer
- Germ theory
- Liver extract
- Microscope
- Nitrous oxide
- Nitrite drugs
- Opium
- Penicillin
- Quinine
- Radium
- Rauwolfia
- Salicylates
- Skin Bank®
- Stethoscope
- Sulfa drugs
- Thermometer
- Thyroid extract
- Vitamins
- X-ray