

Download Non Animal Techniques In Biomedical And Behavioral Research And Testing

If you've ever taken a medicine or had a medical procedure, you've benefited from animal testing and research. Research in cows helped create the world's first vaccine, which in turn helped end smallpox. Biomedical research (or experimental medicine) encompasses a wide array of research, extending from "basic research" (also called bench science or bench research), – involving fundamental scientific principles that may apply to a preclinical understanding – to clinical research, which involves studies of people who may be subjects in clinical trials. The number of animals used in research has increased with the advancement of research and development in medical technology. Every year, millions of experimental animals are used all over the world. 1. Introduction. A chimera is an organism that has more than a single set of parents, and consists of cells from two zygotes. They can be intraspecific, for example if two early stage embryos of the same species fuse to make a single embryo, or interspecific, as with human stem cell/non-human animal chimeras discussed here.