Animal free testing

Medical science of the future

1

We have some urgent healthcare challenges

including cancer, stroke, Alzheimer's and Parkinson's diseases, and many others.

2

Animals and medical research

For many years the medication to combat human diseases and health problems has been developed using animals.

3

Animal testing is costly

Drug development based on animal testing can take a lot of time and resources and may be lacking in terms of safety and efficacy.

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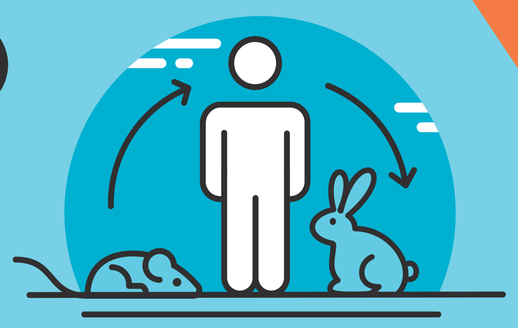

Animal testing is a concern for citizens

Animal welfare is a European value, and is at the cornerstone of EU legislation protecting animals used for science.

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We have opportunities, now we know so much

about the human genome, artificial intelligence, and innovative ways of producing and mimicking human tissues and organs, such as 'organ-on-a-chip' and organoids.

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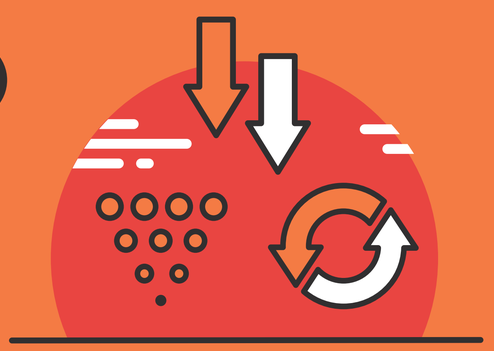

The Three Rs: Replace, Reduce, Refine

The Three Rs are helping us move towards phasing out animal use in science. In the EU Directive 2010/63/EU requires mandatory application of the Three Rs in all aspects of animal use for scientific purposes.

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The European Commission provides extensive support

for educators, researchers, organisations and businesses. It supports innovative developments that do not need animal models.

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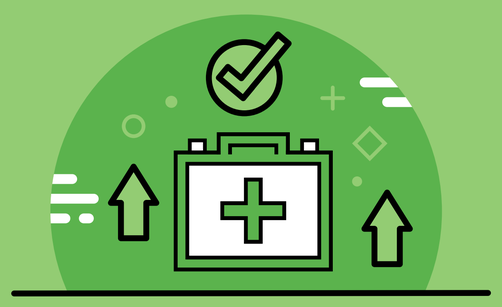

This can lead to

faster, cost-effective, ethical, and relevant approaches to our health, including the development of personalised medicine.

9

What the EU is doing to advance animal free scientific research

Can we do science without animals?

Click on the QR codes to learn more.

EU Reference Laboratory for alternatives to animal testing
EURL ECVAM

European Commission