Norecopa: Guidelines, databases and other 3R-resources for animal research

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http://norecopa.no
National Consensus Platform for the Replacement, Reduction and Refinement of Animal Experiments

a competence centre for the 3RS
Norecopa is a member of ecopa

*European Consensus-Platform for Alternatives*

www.ecopa.eu

dropcap

ecopa supports the establishment of National Consensus Platforms (NCPs) where all 4 stakeholders are equally represented:
International consensus meetings

Harmonisation of the Care and Use of:
  Fish (2005)
  Wildlife (2008)
  Fish (2009)
  Agricultural animals (2012)
  Wildlife (2017)

http://norecopa.no/consensus-meetings

All presentations and consensus statements are on the internet: a lasting resource

  norecopa.no/FELASA2016
A brief history


1996-2005: Server at the Oslo veterinary school donated by Laboratory Animals Ltd. with a mirror site in Sydney, Australia. All pages written manually in HTML, with separate applications for all the support functions. Frequent crashes!

2005: Content moved to a Microsoft database platform and hosted externally. A separate site built for films and slide shows of procedures on laboratory animals

2007: Norecopa founded, with its own website

2015-16: Brand-new website built from scratch, with an intelligent search engine
ECVAM workshop, Neubiberg, Munich, September 1996: *Current status and future developments of databases on alternative methods.*
After 25 years, we ended up with 6 resources on different domains using different technologies.

3R Guide

Databases, Guidelines, Regulations, Information Centres, Journals, E-mail lists

NORINA

Audiovisual products

Textbooks

TextBase

+ films and slide shows of common procedures

+ intelligent search engine

old technology: Classic AVs

+ a small subset of products using

+ searches in one database automatically yield results from the other two databases as well, together with hits from the website's plain text pages.
A new website designed in 2015, launched 31 May 2016:

- Responsive – works equally well on mobile phones, tablets and desktop computers

- One (intelligent) search engine for everything – no longer a need to know the names of the databases

- Hand-picked material for quality and relevance to Laboratory Animal Science, 3Rs and welfare – based on 30 years of experience and networking in the field

- Designed to be an answer to the conclusions of so many presentations at congresses: “we need more guidelines”!

- Contains a newsfeed from European media (English- and Scandinavian-language articles on lab animal science)

- Films of common procedures

- The site will be made visually more interesting (with more images), but the focus so far has been on searchable and printable content, not entertainment value
Some important technical specifications:

• Zero tolerance of dead links (404-errors)
  ‘Do I have to make new bookmarks for your webpages?’
  No!

• Automatic redirection of

  http://oslovet.veths.no

  http://oslovet.nvh.no

  http://oslovet.norecopa.no

  and all the individual pages on these old domains

  http://oslovet.norecopa.no

  www.3RGuide.info

• All searches and use of search filters generate unique and individual addresses, so you can document, and repeat, exactly the same search
Your feedback

- I have found a mistake on the current page
- I would like to give my opinion about the website
- I know of a resource which is not cited in 3R Guide
- I know of a product which is not cited in NORINA
- I know of a product which is not cited in TextBase
- I know of a product which is not cited in Classic AVs

Name

Email

Comments

Did you find what you were looking for?

- Yes, I found it
- No, I did not!

Did you find what you were looking for?

- No, I did not!

What are you looking for?

Please give us your feedback so we can improve the information on the page. Thank you in advance for your help. Please add your email address if you would like a reply.

Submit

Please contact us by email if you have any questions.
Organisations of relevance to animal research

Organisations within Laboratory Animal Science

**AAALAC International** (Association for Assessment and Accreditation of Laboratory Animal Care International)
**AALAS** (American Association for Laboratory Animal Science)
**ACLAM** (American College of Laboratory Animal Medicine)
**ASLAP** (American Society of Laboratory Animal Practitioners)
Norecopa promotes use of "The Three Rs":

- **Replace**: Replacement of animal experiments with alternatives
- **Reduce**: Reduction of the number of animals used in experiments
- **Refine**: Reduction of pain and suffering in animal experiments

Norecopa aims for consensus between the four stakeholders:
- Government and Regulatory Authorities
- Research and teaching
- Industry
- Animal protection and welfare
Who are you?

Are you a researcher, student or are you generally interested in animal welfare? Here you will find relevant information to help you achieve your goals.
Contact us
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post@norecopa.no

Norecopa on Facebook

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0454 Oslo

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% Norwegian Veterinary Institute
P.O. Box 750 Sentrum
N-0106 Oslo, Norway

Org.no. 992 199 199
Bank account: 7694 05 12030
(iban: NO51 7694 0512 030)
(payment must be marked '12025 Norecopa')

Shortcuts
› Give us some feedback
› 2010/63/EU
› Information material
› Norecopa's Board
› Secretariat
› Sponsors
› Cookies & Privacy
› Site map

Subscribe to our newsletter

Resources developed in collaboration with:

[Logos of Norges miljø- og biovitenskapelige universitet and USDA U.S. Department of Agriculture]
The search engine

Guidelines bleeding mice

Did you mean: guideline breeding mice(4)

Auto-complete function:

- blood
- blood collection
- blood from
- blood sampling

Synonym list: Bleeding, blood sampling, blood sampling, venepuncture, blood collection, phlebotomy

• An index of all the words on all the approx. 6,300 pages
• Fuzzy logic
• Boolean logic
• Wildcards
• Proximity searches
• Truncation

A help file available

Collaboration with US Department of Agriculture
Jerry K-9 CPR Mannikin (Dog)

Record number: 8221 (Legacy id: 49275)
Category: Handling (TextBase) - Medicine
Type: Simulator


Jerry K-9 CPR Mannikin is a full size dog for CPR (Cardiopulmonary Resuscitation) training. Features: Working lungs, artificial pulse, disposable and cleanable parts. Designed to perform CPR compressions, mouth-to-snout resuscitation. Also designed to splint and bandage. In addition, a non-removable, long oblique fracture of the right femoral leg bone can now be added to this mannikin. This will allow students to learn how to set and repair common K-9 fractures. This mannikin simulates a 60-70 lbs dog. Accessories included: Carrying case with kneeling pad, brush, 5 disposable lungs. This mannikin is a simplified version of Critical Care Jerry.

Comments & References: Additional Disposable Lungs for Jerry: 24 disposable lungs: US$125.00, 72 disposable lungs: US$380.00. Suitable for training in the veterinary setting, search and rescue, veterinary schools, canine units and for pet owners. This item may be borrowed for up to 6 weeks through the Alternatives Loan System of the International Network for Human Education (InterNICHE), free of charge, but return postage must be paid by the person who has borrowed the product. Please note that there are practical limitations on where some items can be sent. For more information, please contact lpermsystem@interniche.org. See also http://www.interniche.org for more information.

Item: 101

Free of charge: Loan Program: Free of charge

On loan: On loan

Supplier

Rescue Critters, LLC

All articles from Rescue Critters, LLC

- Address: 15635 Satilo, Suite A, Van Nuys, CA 91405, USA
- Tel: Int-1-818-780-7860
Correct literature searches are a vital part of the work to advance the 3Rs.
Why Search Multiple Databases?

**Pharmacokinetics**
pharmacokinetics and pain

- **BIOSIS**: 1464 records
- **MEDLINE**: 449 records
- **EMBASE**: 989 records

Total: 3,939 records

Without **BIOSIS Previews**, you would be missing 1,464 unique citations.

In addition to hundreds of journal article records, **BIOSIS Unique** records contain 415 Meeting records.
Things have got worse rather than better after Google arrived:

You always get some results, even if you type in everything at once.

In many ways the situation was better earlier when searches had to be done manually with the help of a librarian

**Action needed:**

It is high time that all scientists received mandatory education in literature searching

Scientists should ensure that 3R advances are mentioned in the title or abstract
How to construct a literature search

Alice Tillema, Medical Library, Nijmegen

http://libguides.ru.nl/norecopa
How many of you conduct searches in PubMed / MEDLINE?

How many of you
• formulate a specific question and then determine which elements will be your search components (SC)
• use Word to make a list of search terms for every SC containing
  • MeSH terms
  • synonyms
• perform searches with separate strings for each SC:
• finally, combine the search strings (AND)

How many are familiar with SYRCLE’s
• Step by step guide to systematically find all relevant animal studies
• Search filters for finding animal studies in PubMed and EMBASE
Encourage scientists to publish 3R-improvements somewhere where they are visible!

SCID-Hu mice immunized with a pneumococcal vaccine produce specific human antibodies and show increased resistance to infection.
Search for ‘bleeding mice’ on Google and Norecopa.
‘Bleeding’ not mentioned, but identified by the synonym list
Our vision:
To aid dissemination of 3R resources between the different scientific fields

There are lots of platforms...

...but are there enough trains?

Norecopa aims to be a fast train to global 3R resources
Increased focus on the 3Rs (Replacement, Reduction & Refinement) in Laboratory Animal Science and regulatory demands mean that scientists, committee members and animal house staff need easy access to relevant resources. Norecopa has built a brand-new website and intelligent search engine which provide a global overview of selected quality resources. The site consists of three major databases and approx. 500 webpages.

The search engine returns hits from all these resources simultaneously. A large range of filters can be applied to narrow the list of hits. All searches generate unique web addresses (URLs), making it easy to document the searches which have been performed.

Please contact Adrian Smith (adrian.smith@norecopa.no) for more information.

We gratefully acknowledge the financial support of Dag Stiansen’s Foundation, Laboratory Animals Ltd., the Nordic Society against Painful Animal Experiments, Novo Nordisk, the Scottish Accreditation Board and the US Department of Agriculture.
If you think it’s expensive to hire a professional to do the job, wait until you hire an amateur.  

– Red Adair
Thanks to our main sponsors:

- Standing Committee on Business Affairs, Norwegian Parliament
- Ministries of Agriculture and Fisheries
- Novo Nordisk
- Nordic Society Against Painful Experiments
- Scottish Accreditation Board
- Dag S. Stiansen Foundation
- Laboratory Animals Ltd.
- Norwegian Research Council

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