

Koken rat for teaching oral gavage and blood sampling

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SCOPE OF THE METHOD

Alternative method relates to	Animal health, Human health, Other: Education of persons working with laboratory animals
Alternative method is situated in	Education and training
Type of alternative method	Other: Silicone rat model
This method makes use of	Other (e.g. bacteria)

DESCRIPTION

Method keywords

Oral gavage

blood sampling

Animal handling

Scientific area keywords

education

training

Method description

This silicone rat is designed for training persons to perform oral gavage of fluids and for learning how to perform blood sampling from the lateral tail vein.

Lab equipment

26g needles ;
Syringes.

Method status

History of use

PROS, CONS & FUTURE POTENTIAL

Advantages

It is possible to train persons for performing these techniques without sacrificing animals. It is a good start for people that have no experience at all and also nice to use in a practical where students that do not intend to ever work with rats (or other lab animals) are present.

Challenges

The model has only a limited value since there are quite a lot of differences with real rat tails and the flexibility of the rat is also very limited making it impossible to use certain gavage tubes. It is also quite expensive (certainly the spare tails) and not all tails are from equal quality.

Modifications

I do not have it yet, but I am thinking to possibly switch to the curvet rat, a similar model that can also be used to learn subcutaneous injections.

REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

Associated documents

Links

[Medical education in Haaltert, Belgium](#)

PARTNERS AND COLLABORATIONS

Organisation

Name of the organisation Ghent University

Department Department of Pathology, Bacteriology and Avian Diseases

Country Belgium

Geographical Area Flemish Region

Coordinated by



Financed by

