

Guidelines for the use of animals in cancer research

This is a selection of guidelines in the public domain that address the care and use of animals in cancer research, including the issue of humane endpoints. Some of these also address the use of intraperitoneal hybridomas and ascites production for the harvesting of monoclonal antibodies. It should be noted that some countries have restrictions on the *in vivo* production of these antibodies.

These guidelines have been collected as an aid to the refinement of animals in these research fields and are not necessarily endorsed by the compiler or affiliated institutions. They are not presented in any recommended order of importance. Local or federal regulations may be in place which override or supplement these guidelines. Please notify the compiler (adrian.smith@vetinst.no) of additional guidelines or errors in this list.

CCAC guidelines on choosing an appropriate endpoint in experiments using animals for research, teaching and testing

http://www.ccac.ca/en/CCAC_Programs/Guidelines_Policies/gdlines/endpts/app9to10.htm

UKCCCR Guidelines for the welfare of animals in experimental neoplasia

http://www.ncrndev.org.uk/downloads/MiscDocs/animal_guides_text.pdf

<http://www.springerlink.com/content/m122637q06351r52>

Guidelines involving experimental neoplasia

National Cancer Institute, NIH

http://www.ncifcrf.gov/rtp/lasp/intra/acuc/fred/guidelines_nci.asp

Guidelines for endpoints in animal study proposals

Office of Animal Care and Use, NIH

<http://oacu.od.nih.gov/ARAC/Endpoints.pdf>

Pain management and humane endpoints with a section on tumor size

National Agricultural Library, USDA

<http://www.nal.usda.gov/awic/pubs/IACUC/pain.htm>

The assessment and alleviation of pain and distress in research animals

National Health and Medical Research Council, Australia

http://www.nhmrc.gov.au/_files_nhmrc/file/publications/synopses/ea18.pdf

Post-procedure care of mice and rats in research: Reducing pain and distress

US Department of Veterans Affairs

<http://www.researchtraining.org/moduletext.asp?intModuleID=602>

Guidelines on solid tumor production & cancer research in animals

Medical College of Georgia

<http://www.mcg.edu/research/iacuc/treatment/tumors.html>

Guidelines for tumor inoculation in rodents

Rutgers, State University of New Jersey

http://orsp.rutgers.edu/animals/downloads/SOPs/Tumor_Endpoints_Guidelines.pdf

Guidelines for the utilization of rodents in experimental neoplasia and ascites production

Thomas Jefferson University

<http://www.jefferson.edu/oar/manual/man10409.pdf>

Rodent tumor guidelines

University of Florida

http://acs.ufl.edu/guidelines/Rodent_Tumor_Guidelines.shtml

Tumor burden scoring guidelines

Emory University

<http://www.iacuc.emory.edu/policy/policy1/Tumor%20Burden%20Scoring%20SOP.pdf>

Tumor burden scoring system

University of Michigan Medical School

<http://www.ulam.umich.edu/sops/ULAM%20SOP%20Tumors.pdf>

Guidelines for protocols involving non-metastasizing subcutaneous tumor burden in mice and rats

Rice University

<http://research.rice.edu/research/services/arf/prog-policies.cfm>

Guidelines for establishing endpoints for all types of tumor burdens

Rice University

<http://research.rice.edu/research/services/arf/prog-policies.cfm>

Scoring and endpoints in tumor studies in rats and mice

University of Texas at San Antonio

http://vpr.utsa.edu/files/oric/iacuc/IACP_Policy_012.pdf