

rDNA Applications Using Mammalian
Cell Lines and Human Samples
December 18 2019

In order to reduce administrative requirements, the Marshall University IBC has adopted a policy with guidance for applications that involve the use of mammalian cell lines (including human cell lines) and human subject samples (e.g. blood, fluids and tissues). Work with mammalian cell lines and human samples that does not include recombinant or synthetic DNA (rDNA/sDNA), Select Agents or Toxins, other toxic agents, or pathogens is exempt from review by the Institutional Biosafety Committee (IBC). Investigators who plan to work with cell lines or human samples which are treated with rDNA/sDNA, Select Agents, toxins or pathogens **must** still submit an rDNA/infectious agent application.

This policy only applies to investigators who have completed all three of their training seminars (chemical safety, biological safety, and rDNA/sDNA) within less than a year.

Please note that (1) IRB approval is still needed for work with human subject samples and (2) all work with cell lines and patient samples must be performed under BSL-2 and still follow guidance given in the CDC Biosafety in Microbiological and Biomedical Laboratories handbook and MU IBC Policy for Safe Handling of Cell Lines. You should consult with the IBC chair, Don Primerano (304.696.7338, primeran@marshall.edu) if you have questions regarding the exempt status of your research.