This d cument was prepared t capture the essence f the NIH guideline requirements and put them int readable f rm. Many details are mitted, the actual guidelines sh uld be c nsulted when in d ubt. The NIH rec mbinant DNA guidelines are an intimidating publicati n. They are I ng, full f legalese, and ha e I ts f cr ss references, e!cepti ns, lists, secti ns, appendices and tables. The NIH rDNA guidelines are legally binding n any instituti n using NIH funds.

- + me ther h st & carrying rec mbinant DNA. #6, r # 64 plus le el c ntainment is rec mmended when(
 - o The h st is a n !i us weed
 - o The intr duced DNA is the c mplete gen me f an infecti us agent "n wn t n rmally e!ist in the <+,
 - o The h st is a plant r micr rganism that may damage ec systems,
 - o The h st is a plant with a rec mbinant DNA fr m f reign micr rganisms that are th ught t be safe f r the ec sysytem

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@ %+ecti n III)/ and Appendi! \$&

:1!empt; fr m NIH guidelines means that w r" with these c nstructs need t be submitted t the I#\$ f r n tificati n. The I#\$ will f rward a e!empti n letter f r the rDNA being used in the research. It is <+A p licy f r all registered :e!empt; DNA rec mbinant research t be c nducted at #+6)4.

1 !empt e !periments include(

- A Th se that are n t in rganisms r iruses
- A Th se that c nsist entirely f DNA segments fr m a single n nchr m s mal r iral DNA s urce, th ugh ne r m re f the segments may be a synthetic equi alent
- A The se that consist entirely if DNA from a propagated nly in that he st % reaction related strain if the same species %, rewhen transferred to another he st by well established physional gical means B
- The se that consist entirely if DNA from an eu"ary tich st including its chlor plasts, mit chondria, replasmids %but e!cluding iruses& when propagated only in the host % road sely related strain if the same species&B
- The set hat consist entirely if DNA segments from different species that e!change DNA by "nown physical processes, though ne room refithe segments may be a synthetic equicalent. Hee Appendices A)I through A)CI, 1!emptions <nder +ection III)/)7 @ +ublists if Natural 1!changers, for a list if natural e!changers that are e!emption from the NIH Ouidelines of room refithe natural e!changers that are e!emption from the NIH Ouidelines of room refithe natural e!changers that are e!emption from the NIH Ouidelines of room refithered in the natural e!changers that are e!emption from the NIH Ouidelines of room refithered in the natural e!changers that are e!emption from the natural e!emption froom from the natural e!emption from the natural e!emption from th
- A Th se that d n t present a significant ris" t health r the en ir nment ("")"*")" + , -