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 l ng, full f legalese, and ha e l 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 Th se that c nsist entirely f DNA fr m a pr "ary tic h st including its indigen us plasmids r iruses when pr pagated nly in that h st % r a cl sely related strain f the same species&, r when transferred t an ther h st by well established physi l gical means
A Th se that c nsist entirely f DNA fr m an eu"ary tic h st including its chl r plasts, mit ch ndria, r plasmids %but e!cluding iruses& when pr pagated nly in the h st % r a cl sely related strain f the same species&
A Th se that c nsist entirely f DNA segments fr m different species that e!change DNA by "n wn physi l gical pr cesses, th ugh ne r m re f the segments may be a synthetic equi alent. +ee Appendices A)I thr ugh A)CI, 1!empti ns <nder +ecti n III)/)7 @ +ublists f Natural 1!changers, f r a list f natural e!changers that are e!empt fr m the NIH 0uidelines r
A Th se that d n t present a significant ris" t health r the en ir nment % (" ")"*" ) " + , - &

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