# APPENDIX A. EXEMPTIONS UNDER SECTION III-F-5--SUBLISTS OF NATURAL EXCHANGERS

DNA molecules that are composed entirely of DNA segments from one or more of the organism listed below (Natural Exchangers), including synthetic fragments, and are propagated in any of the organisms below are EXEMPT. These experiments should be performed at the appropriate biosafety level for the host or recombinant organism.

## Appendix A-I. Sublist A

Genus *Escherichia*

Genus *Shigella*

Genus *Salmonella* - including *Arizona*

Genus *Enterobacter*

Genus *Citrobacter* - including *Levinea*

Genus *Klebsiella* - including *oxytoca*

Genus *Erwinia*

*Pseudomonas aeruginosa, Pseudomonas putida, Pseudomonas fluorescens, and Pseudomonas mendocina*

*Serratia marcescens*

*Yersinia enterocolitica*

## Appendix A-II. Sublist B

*Bacillus subtilis*

*Bacillus licheniformis*

*Bacillus pumilus*

*Bacillus globigii*

*Bacillus niger*

*Bacillus nato*

*Bacillus amyloliquefaciens*

*Bacillus aterrimus*

## Appendix A-III. Sublist C

*Streptomyces aureofaciens*

*Streptomyces rimosus*

*Streptomyces coelicolor*

## Appendix A-IV. Sublist D

*Streptomyces griseus*

*Streptomyces cyaneus*

*Streptomyces venezuelae*

## Appendix A-V. Sublist E

One way transfer of *Streptococcus mutans* or *Streptococcus lactis* DNA into *Streptococcus sanguis*

## Appendix A-VI. Sublist F

*Streptococcus sanguis*

*Streptococcus pneumoniae*

*Streptococcus faecalis*

*Streptococcus pyogenes*

*Streptococcus mutans*