

Part 2 Host/vector systems for exempt dealings

| Item | Class | Host | Vector |
|------|----------|---|---|
| 1 | Bacteria | <p><i>Escherichia coli</i> K12, <i>E. coli</i> B, <i>E. coli</i> C or <i>E. coli</i> Nissle 1917 — any derivative that does not contain:</p> <p>(a) generalised transducing phages; or</p> <p>(b) genes able to complement the conjugation defect in a non-conjugative plasmid</p> <p><i>Bacillus</i> — specified species — asporogenic strains with a reversion frequency of less than 10^{-7}:</p> <p>(a) <i>B. amyloliquefaciens</i></p> <p>(b) <i>B. licheniformis</i></p> <p>(c) <i>B. pumilus</i></p> <p>(d) <i>B. subtilis</i></p> <p>(e) <i>B. thuringiensis</i></p> <p><i>Pseudomonas putida</i> — strain KT 2440</p> <p><i>Streptomyces</i> — specified species:</p> <p>(a) <i>S. aureofaciens</i></p> <p>(b) <i>S. coelicolor</i></p> <p>(c) <i>S. cyaneus</i></p> <p>(d) <i>S. griseus</i></p> <p>(e) <i>S. lividans</i></p> <p>(f) <i>S. parvulus</i></p> <p>(g) <i>S. rimosus</i></p> <p>(h) <i>S. venezuelae</i></p> <p><i>Agrobacterium radiobacter</i></p> <p><i>Agrobacterium rhizogenes</i> — disarmed strains</p> <p><i>Agrobacterium tumefaciens</i> — disarmed strains</p> | <p>1. Non-conjugative plasmids</p> <p>2. Bacteriophage</p> <p>(a) lambda</p> <p>(b) lambdaoid</p> <p>(c) Fd or F1 (eg M13)</p> <p>3. None (non-vector systems)</p> <p>1. Non-conjugative plasmids</p> <p>2. Plasmids and phages whose host range does not include <i>B. cereus</i>, <i>B. anthracis</i> or any other pathogenic strain of <i>Bacillus</i></p> <p>3. None (non-vector systems)</p> <p>1. Non-conjugative plasmids including certified plasmids: pKT 262, pKT 263, pKT 264</p> <p>2. None (non-vector systems)</p> <p>1. Non-conjugative plasmids</p> <p>2. Certified plasmids: SCP2, SLP1, SLP2, PIJ101 and derivatives</p> <p>3. Actinophage phi C31 and derivatives</p> <p>4. None (non-vector systems)</p> <p>1. Non-tumorigenic disarmed Ti plasmid vectors, or Ri plasmid vectors</p> <p>2. None (non-vector systems)</p> |

| Item | Class | Host | Vector |
|------|-------------------|--|--|
| | | <i>Lactobacillus</i> <i>Lactococcus lactis</i> <i>Oenococcus oeni</i> syn. <i>Leuconostoc oeni</i> <i>Pediococcus</i> <i>Photobacterium angustum</i> <i>Pseudoalteromonas tunicata</i> <i>Rhizobium</i> (including the genus <i>Allorhizobium</i>) <i>Sphingopyxis alaskensis</i> syn. <i>Sphingomonas alaskensis</i> <i>Streptococcus thermophilus</i> <i>Synechococcus</i> — specified strains: (a) PCC 7002 (b) PCC 7942 (c) WH 8102 <i>Synechocystis</i> species — strain PCC 6803 <i>Vibrio cholerae</i> CVD103-HgR | 1. Non-conjugative plasmids 2. None (non-vector systems) |
| 2 | Fungi | <i>Kluyveromyces lactis</i> <i>Neurospora crassa</i> — laboratory strains <i>Pichia pastoris</i> <i>Saccharomyces cerevisiae</i> <i>Schizosaccharomyces pombe</i> <i>Trichoderma reesei</i> <i>Yarrowia lipolytica</i> | 1. All vectors 2. None (non-vector systems) |
| 3 | Slime moulds | <i>Dictyostelium</i> species | 1. <i>Dictyostelium</i> shuttle vectors, including those based on the endogenous plasmids Ddp1 and Ddp2 2. None (non-vector systems) |
| 4 | Tissue culture | Any of the following if they cannot spontaneously generate a whole animal: (a) animal or human cell cultures (including packaging cell lines); (b) isolated cells, isolated tissues or isolated organs, whether animal or human; (c) early non-human mammalian embryos cultured <i>in vitro</i> | 1. Non-conjugative plasmids 2. Non-viral vectors, or replication defective viral vectors unable to transduce human cells 3. Baculovirus (<i>Autographa californica</i> nuclear polyhedrosis virus), polyhedrin minus 4. None (non-vector systems) |

| Item | Class | Host | Vector |
|------|-------|--|--|
| | | <p>Either of the following if they are not intended, and are not likely without human intervention, to vegetatively propagate, flower or regenerate into a whole plant:</p> <ul style="list-style-type: none"> (a) plant cell cultures; (b) isolated plant tissues or organs | <ol style="list-style-type: none"> 1. Non-tumorigenic disabled Ti plasmid vectors, or Ri plasmid vectors, in <i>Agrobacterium tumefaciens</i>, <i>Agrobacterium radiobacter</i> or <i>Agrobacterium rhizogenes</i> 2. Non-pathogenic viral vectors 3. None (non-vector systems) |