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**No. S 541**

**BIOLOGICAL AGENTS AND TOXINS ACT  
(CHAPTER 24A)**

**BIOLOGICAL AGENTS AND TOXINS ACT  
(AMENDMENT OF FIRST AND FIFTH SCHEDULES)  
ORDER 2011**

In exercise of the powers conferred by section 62 of the Biological Agents and Toxins Act, the Minister for Health hereby makes the following Order:

**Citation and commencement**

**1.** This Order may be cited as the Biological Agents and Toxins Act (Amendment of First and Fifth Schedules) Order 2011 and shall come into operation on 1st October 2011.

**Amendment of First Schedule**

**2.** The First Schedule to the Biological Agents and Toxins Act is amended by deleting paragraph (a) of item 8 in Part I under the heading “*VIRUSES*” and substituting the following paragraph:

- “(a) Human immunodeficiency virus (HIV) Types 1 and 2, except for any advanced generation HIV lentiviral vector, which means —
- (i) any third or higher generation HIV vector; or
  - (ii) any HIV vector with all of the following features:
    - (A) comprises a minimum of 4 plasmids in total which includes all types of plasmid (e.g. packaging, structural, accessory, etc.);
    - (B) HIV genes are split to a minimum of 2 packaging plasmids;
    - (C) the *env* gene encoding for the HIV envelope is replaced;
    - (D) the *vif*, *vpr*, *vpu* and *nef* genes are either absent or altered to be non-functional;
    - (E) the *rev* and *tat* genes are absent, non-functional or expressed from a separate construct; and
    - (F) the *Gag* and *Pol* genes are split over at least 2 plasmids or there is deletion in the 3’LTR or both.”.

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**Amendment of Fifth Schedule**

**3.** The Fifth Schedule to the Biological Agents and Toxins Act is amended by deleting the full-stop at the end of item 7, and by inserting immediately thereafter the following item:

“8. HT-2 toxin.”.

Made this 19th day of September 2011.

**YONG YING-I**  
*Permanent Secretary,  
Ministry of Health,  
Singapore.*

[MH 78:70 Vol. 15; AG/LLRD/SL/24A/2011/1 Vol. 1]