

Appendix IV

WNV Mosquito Species Viral Testing Order of Preference

The following table lists WNV vector species of concern in Ontario. These species are listed in order of preference when considering what species to test in the event that a trap contains more than three different vectors. Note that *Culex pipiens* and *Culex restuans* should be grouped into *Culex pipiens/restuans*.

	Mosquito Species for Viral Testing
1	<i>Culex pipiens/restuans</i>
2	<i>Culex salinarius</i>
3	<i>Ochlerotatus japonicus</i>
4	<i>Culex tarsalis</i>
5	<i>Aedes vexans vexans/ Aedes vexans nipponi</i>
6	<i>Ochlerotatus triseriatus</i>
7	<i>Anopheles punctipennis</i>
8	<i>Ochlerotatus trivittatus</i>
9	<i>Anopheles walkeri</i>
10	<i>Ochlerotatus stimulans</i>
11	<i>Anopheles quadrimaculatus</i>
12	<i>Ochlerotatus canadensis</i>
*	<i>Aedes albopictus (Stegomyia albopicta)</i>

Revised January 15, 2009

- * Since this species is found in very low numbers and is a highly competent vector, it is suggested that it be tested for WNV as part of the three pool limit.
- This list is prepared based upon analysis of entomological data of Ontario and other variables. Changes to this list will be made as required based upon new information and analysis of entomological data of the province.