

2005 Surveillance for Mosquito-borne Viruses

Registration of Agencies and Sites

1. Participation of agencies

Agencies interested in participating in the statewide surveillance program for mosquito-borne viruses will place orders through MVCAC for testing of sentinel chicken blood samples and mosquito pools. MVCAC will bill the agency for the number of samples to be tested.

As part of an agreement on coordination of surveillance for mosquito-borne viruses, VRDL will accept and test sentinel chicken blood samples only from those California agencies that have placed orders through MVCAC except for local agencies which test their own chicken sera and send samples (\$ 8.15 per sample) to VRDL for confirmation. CVEC will accept and test mosquito pools only from those agencies that have placed orders through MVCAC.

2. Registration of collection sites

It is extremely important that sites for sentinel chicken flocks, mosquito virus pools, collections for mosquito abundance estimates, and other collections relating to arbovirus surveillance be registered using Form MBVS-1, revised 11/24/03. Obsolete forms should not be used. Additional forms may be obtained from either DHS (ahom@dhs.ca.gov) or UC Davis (bfeldridge@ucdavis.edu). Accurate geographic coordinates in the form of degrees, minutes, and seconds are especially important, because they will be used to generate computer maps that will show test results weekly. These maps may be seen by going on the California statewide surveillance website, <http://vector.ucdavis.edu>. To insure accuracy of map coordinates, it is very useful to include street addresses or street intersections. This provides an excellent cross-check of locations by geocoding. Site registration numbers may refer to single collection sites (e.g., a chicken flock), or may be applied to several sites that fall within a 1/2-mile radius (e.g., a group of CO₂ traps for mosquito pools). Questions concerning this form (including how to convert decimal forms of coordinates to the degree-minute-second form) can be answered by sending an email to Bruce Eldridge or Chris Barker (cmbarker@ucdavis.edu).

3. Registration of sentinel flock sites and wing band numbers

Prior to submitting any sentinel chicken blood samples to VRDL, each agency must register each new flock site with UC Davis using the "SURVEILLANCE SITE REGISTRATION" form MBVS-1 (revised **11/15/04**). Blood samples sent to VRDL must be accompanied by the form "SENTINEL CHICKEN BLOOD – 2005" (MBVS-2, revised **12/09/02**) for each flock site.

Fill out a MBVS-2 form for each site and include a four digit numeric code for the site along with the wing band numbers of chickens placed at that site. Also include the date the chickens were bled. VRDL will cross check the agency and site code numbers before testing the samples.

VRDL will test samples only if they are accompanied by the appropriate 2005 form which includes the registered agency code (assigned by DHS), the registered site code (assigned by local agency), for blood samples, the wing band numbers assigned to that site and include date bled. **Also, form must always indicate any and all changes made and match the sample card exactly.**

The above requirements apply to confirmation samples as well.

4. Registration of mosquito sampling sites, including New Jersey, EVS and gravid locations

Registration of new sites used for collection of mosquitoes for virus testing and 2005 locations of New Jersey light traps may be accomplished by faxing a copy of the "SITE SURVEILLANCE REGISTRATION 2005" form to (530) 754-6360 (UC Davis) or e-mailing it to bfeldridge@ucdavis.edu at the same time the pools are shipped to UC Davis. UC will test the pools provided that adequate information is provided on the "MOSQUITO POOL SUBMISSION" form (MBVS-3, revised **12/19/01**), including your agency code, your site code for the site and geographic coordinates. If you are unable to determine the geographic coordinates, please provide a map to UC Davis showing the location of each site and its site code.

The geographic coordinates will be used to generate computer maps that will show all registered sites and test results for each site each week. Also, as part of a collaborative effort, UC Davis will be generating up-to-date maps from the weekly results for inclusion on Vector Web site: <http://vector.ucdavis.edu/>.

5. If there are any questions, please contact Al Hom, Vector-Borne Disease Section at (510) 412-6252 or ahom@dhs.ca.gov.