

## **Titre Testing Post vaccination for Parvovirus and Distemper virus**

Antibody testing is sometimes carried out to determine when a dog needs a booster vaccine for parvovirus and/or distemper virus.

It has been found that there is no relationship between antibody levels to the viruses and the time between vaccination and testing. A high titre is evidence of antibody production, however, a low antibody titre does not indicate inadequate protection. It has been found that cell mediated immunity and memory cells which can regenerate antibodies with hours of exposure to an infectious agent are the mechanisms by which protection is provided. Currently there is no commercially available test to assess these.

There is little evidence that an antibody titre assay is useful except in puppies which rely on maternally derived antibodies for protection.

