BIOCARD™ PARVO B19

A rapid, simple and reliable immunochromatographic test for the screening of Parvo B19 antibodies in serum, plasma and whole blood samples in an acute phase of disease.

REF 3-031-000

* Detection of parvovirus B19 IgG antibodies
* Easy and quick test procedure, result in 10 minutes

* Detection only during the acute phase of disease
* Very sensitive and specific test

* Room temperature storage, shelf life 18 months
*CE mark

* 10 tests per package

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Biocard Parvo B19 rapid test kit

A new lateral flow kit for the detection of acute human Parvo B19 infection is available for in vitro diagnostic use in Europe and worldwide. In addition to showing viral infection from a single sample of whole blood or serum within a few minutes already at the point of care, the Biocard Parvo B19 lateral flow assay is inexpensive, easy-to-perform and does not require special laboratory equipment.

Human Parvovirus B19 is the causative agent of erythema infectiosum ("Fifth Disease") which occurs frequently, especially among children. B19 symptoms begin some six days after exposure and last about a 1-4 weeks, but may persist for several months. Its typical symptoms are fever, rash, joint pain and flu like symptoms. Among adult patients, arthralgia and arthritis are common, and an infection during pregnancy may cause fetal hydrops or death.

After Parvo B19 infection, IgG antibodies recognizing conformational epitopes of VP2 are synthesized for many years after B19 infection. However there is a linear heptapeptide sequence within VP2, which is a specific target of the IgG antibodies of the acute phase of infection. Biocard Parvo B19 test is a totally unique test which utilizes acute phase specific IgG antibodies against a specific heptapeptide for detecting Parvo B19 infection.

Currently, besides PCR technologies, the only available method for diagnosing Parvo B19 is ELISA IgG and IgM tests. Laboratory diagnosis is centralized to central laboratories. It can take several days to get the result. Detection of both IgM and IgG will usually cause certain overlapping results which makes the diagnosis difficult. Biocard Parvo B19 test is an acute phase specific test which can be run in a doctor’s office or in maternity clinics and the result is available in few minutes. Early, accurate identification of Parvo B 19 infection of the pregnant women can be vital for the foetal. It can be used also for confirming possible Parvo B19 infection in severe joint pain, rash and persistent disease cases.

References:

