



BOVINE ADENOVIRUS 3 ELISA KIT

BIO K 063/2

For serum or milk (Bovine) - Double well

Bovine adenoviruses (BAV) are classified into nine serotypes (species) so far. These nine serotypes are divided into two subgroups mainly on the basis of replication in either calf kidney or testicle cells (subgroup I, serotypes 1-3 and 9) or only in testicle cells (subgroup II, serotypes 4-8). The two subgroups also differ in their antigenic properties. The distribution of BAV in cattle populations is worldwide. Serological evidence suggests a high incidence of infection. Adenovirus are generally present in large herds. Viruses are excreted by different forms of shedding and by coughing. Infection occurs most frequently when calves are 3 weeks to 4 months old. In diseased calves respiratory and enteric symptoms, fever and anorexia can be observed. The disease usually starts with respiratory symptoms. Serous excretions from the nose and conjunctivae are accompanied by coughing. Enteric infection becomes manifest by salivation and thin, greyish-yellow feces. The disease can be aggravated by secondary bacterial infections. For the diagnosis of the disease, paired serum samples should be taken from calves and tested by ELISA method. If no acute disease is observed but infection of the herd is suspected, a serological survey can be performed. In this case, single serum samples are collected from adult animals representing 5-10 % of the herd. Bio-X bovine adenovirus 3 ELISA kit is subgroup-specific and can only detect immune response against subgroup I bovine adenovirus.

Use of the kit

The kit is designed to follow seroconversion on paired sera or milks

Reliable Results

The use of monoclonal antibody as conjugate ensures excellent specificity and very reliable results.

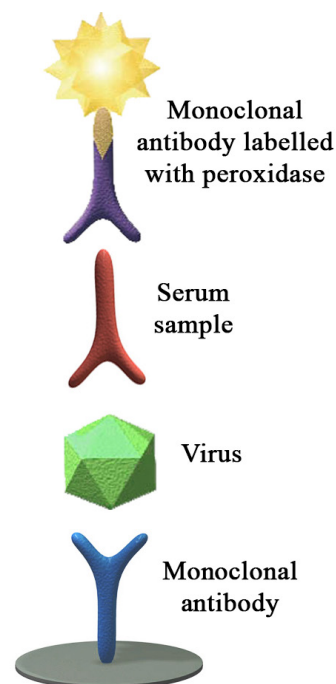
The use of monoclonal antibodies to purify the virus on the plate also makes it possible to obtain an excellent specificity

Ease-of-Use

Minimal hands-on-time
Room temperature incubation
Results available in 140 minutes for single or batch testing

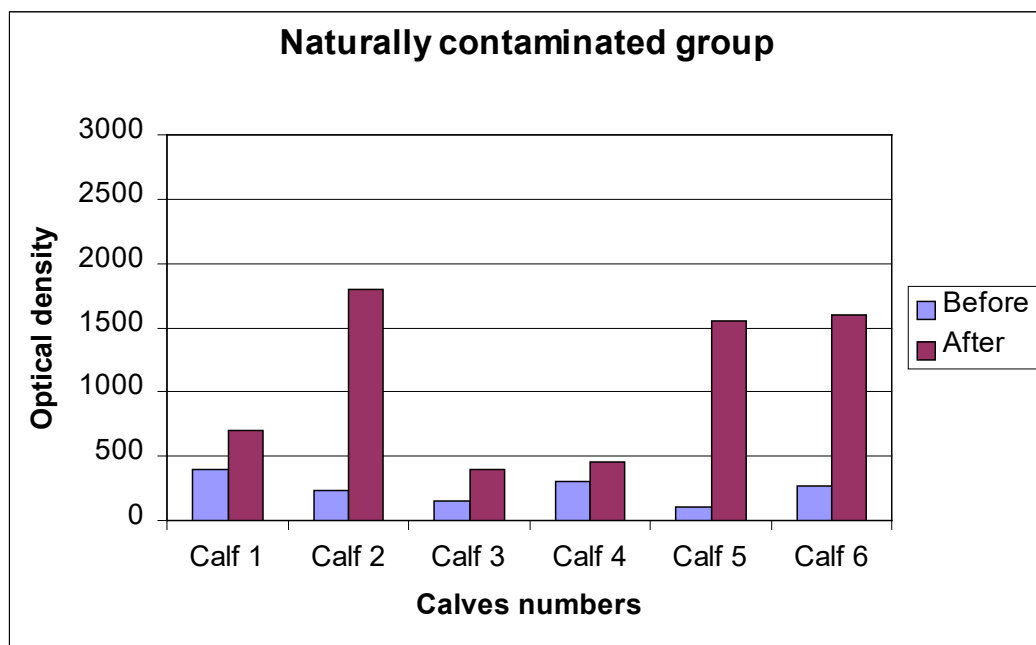
EIA Procedure

- 1- Microplate coated with monoclonal antibody and inactivated virus
- 2- Add samples and positive control.
Incubate 1 hour at 21°C+/-3°C.
Wash
- 3- Add conjugate.
Incubate 1 hour at 21°C+/-3°C.
Wash
- 4- Add chromogen TMB
Wait 10 minutes
Add stop solution. Read at 450 nm





Example of results



Bio-X Diagnostics

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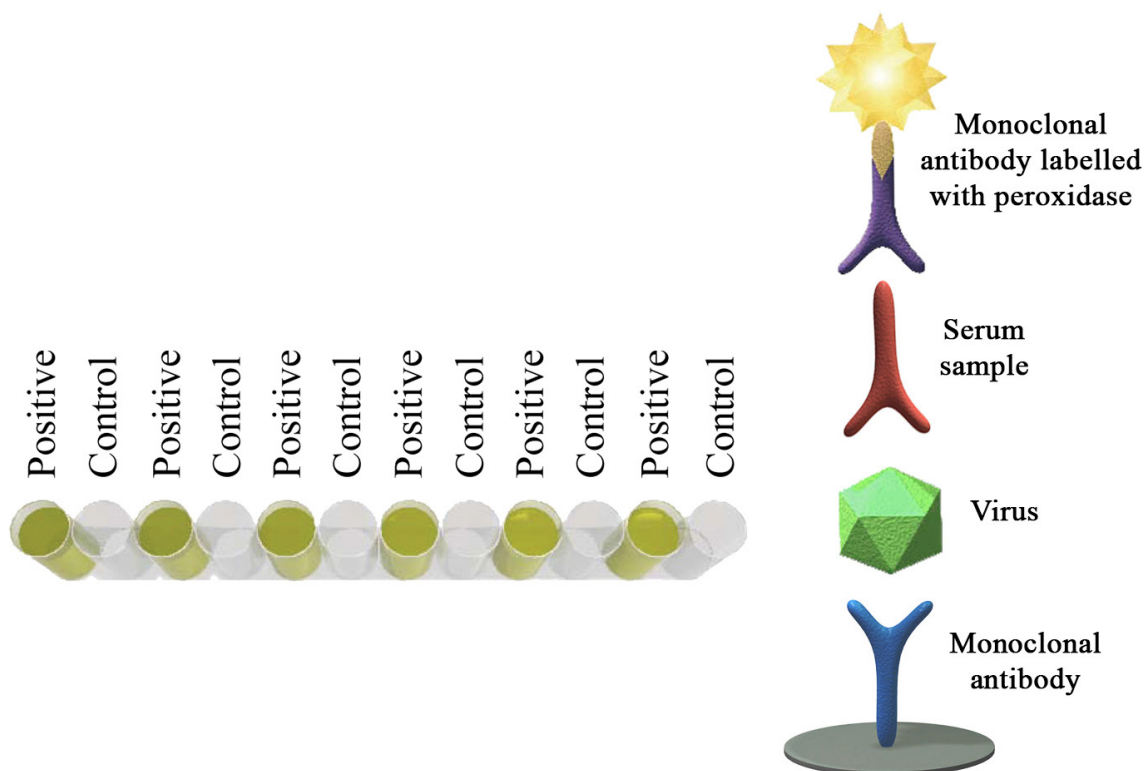


Composition of the kit

BIO K 063 ADENOVIRUS 3 ELISA KIT

	BIO K 063/2
Microplates	2
Washing solution	1 x 100 ml (20x)
Dilution buffer	1 x 50 ml (5x)
Conjugate	1 x 0.5 ml (50x)
Positive serum	1 x 0.5 ml (1x)
Single component TMB	1 x 25 ml (1x)
Stopping solution	1 x 15 ml (1x)

1 year of stability between +2°C and +8°C



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