

Dot-ELISA Kit



Dot-ELISA kit is for on farm diagnosis of ulcers, red diseases, septicemia and gill diseases caused by *Aeromonas*, *Edwardsiella*, *Vibrio*, *Pseudomonas* and *Flavobacterium* sp

Packaging of Kit : The kit is provided with different bacterial soluble antigens, positive and negative serum raised in rabbit, Anti-rabbit globulin-HRPO conjugate, substrate fluid and dip strips containing two white stickers, different solutions and buffers and, etc.

Storage condition : It may be stored in ordinary refrigerator (4-8°C) up to three month and one year in deep freezer (-200 C). Never keep the kit in room temperature for more than 12 hrs. The test is done in ordinary room temperature.

Advantages:

- ▶ Accurate and sensitive method for fish disease detection.
- ▶ Detect bacterial pathogens in tissues of affected and dead fishes.
- ▶ Suitable for laboratory and farm level diagnosis with refrigerator facility.
- ▶ 30-40 fish serum samples can be tested within a day.

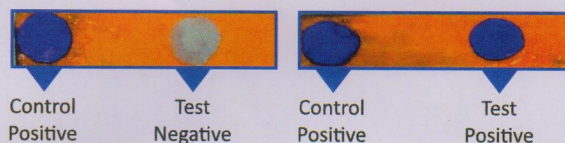
Test Procedure:

1. Take out from refrigerator, allow the reagents to thaw if frozen and shake the reagents thoroughly before use.
2. Take one dip strip and put the fish samples (tissues, body fluids, gill and kidney) on to the white sticker as shown in Figure 1. Do not touch the white sticker in bare fingers.
3. Allow the strip to dry for 5-10 min.
4. Dip the strip into solution-1 for 5 min.
5. Dip the strip into solution-2 for 30 min.
6. Dip and shake the strip in solution-X (washing buffer) for 30 seconds.
7. Dip the strip into solution-3 (positive serum against respective bacteria) for 30 min.
8. Then dip and shake again in solution-X for 1 min.
9. Dip the strip in solution-4 for 30 min.
10. Then dip and shake again in solution-X for 2-3 min.
11. Dip the strip in solution-5 for 10 min or till the development of colour and wash it in tap water
12. Then see the change of colour of the paper and compare it with the control (as shown below, Figure 2)
13. The strips can be dried and stored for future reference/record

Figure 1



Figure 2



Manufactured and Marketed by

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