



**Rojan Azma Mfg.**

## Newcastle Disease Virus Antigen Rapid Test Kit

Catalog No: NDV1402.5

### Test principle

This kit applies the principle of Gold Immunochromatography assay. The sample move together with the colloidal gold along the membrane. If NDV antigen exist in the samples, it will combine with the colloidal gold marker to make the detection line which appears in a red color. Otherwise, it will not show the color reaction.

### Sample preparation

1. Weigh about 0.1 g or 100  $\mu$ L of poultry excrement or laryngotracheal secretion with a cotton swabs.
2. Immediately, insert the cotton swab into a sample tube that contain sample diluent, stir the swab. Discard the cotton swab after wiping it against the wall of the tube. Store the extract at room temperature for detect.

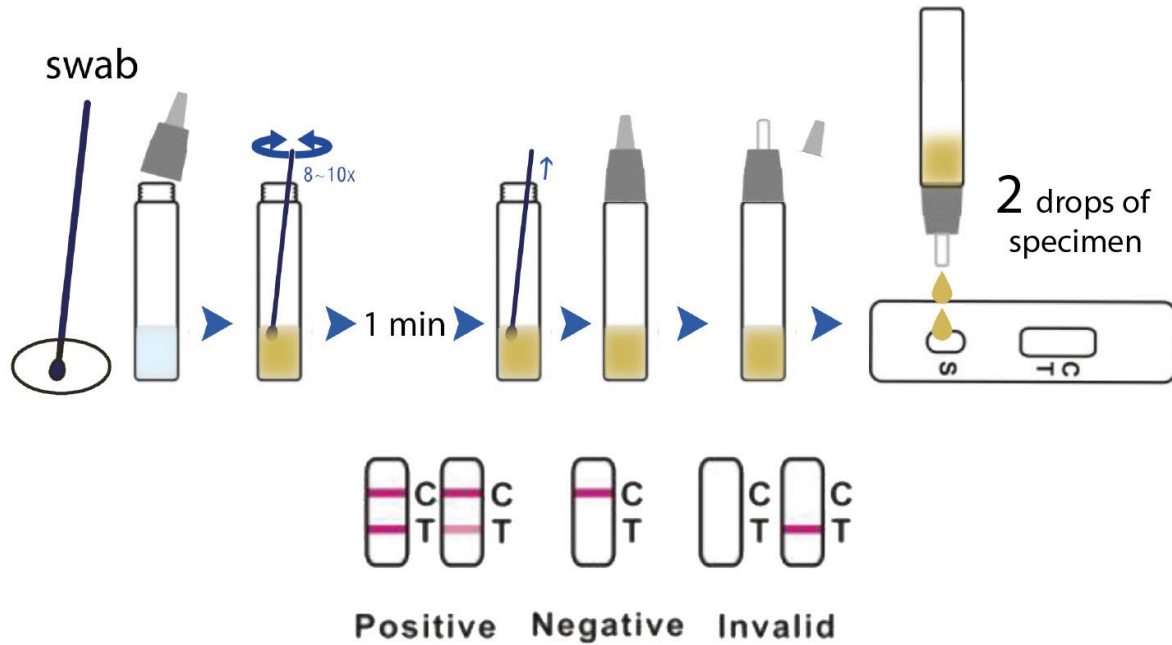
Note: Excessive excrement sample may lead to wrong results (e.g. black line, etc.), dilute sample with sample diluent for the test.

### Assay procedure

1. Take out the detection cassette and put it on a clean table.
2. Take the sample supernatant with the straw, add 2~3 drops (about 60  $\mu$ L) of sample to the sample well vertically and slowly and wait for 10 minutes. The result is **invalid** if the time is more than 30 min.

### Interpretation

1. Negative: Only the control line region (C) shows a red line in the observation well. There is no NDV antigen in the sample. If there is a corresponding acute symptom, then NDV infection cannot be excluded.
2. Positive: Both the test line region (T) and the control line region (C) show a red line.
3. Invalid: No line shows in the control line region (C).
4. The positive result reveals that there is NDV antigen in the sample. It might be infected with NDV, and the result should be combined with clinical and other methods to analyze.



### Limitations

This kit can be used for detection of NDV common antigen only, cannot be used for subtype analysis.

1. Please read the manual carefully before use. All kinds of reagents provided in this kit are only for this experiment.
2. Do not use expired products or products with a broken foil, do not touch the membrane and let the test cassette to reach at room temperature.

### Storage and stability

Storage: Store at 2-30°C with dry condition. 2 years, expiration date is on the packing box.



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