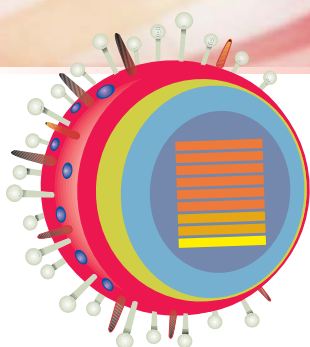


All the advantages of  
**Molecular Biology in a Rapid Test**

# Speed-oligo<sup>®</sup>

Quick Visual Oligochromatography



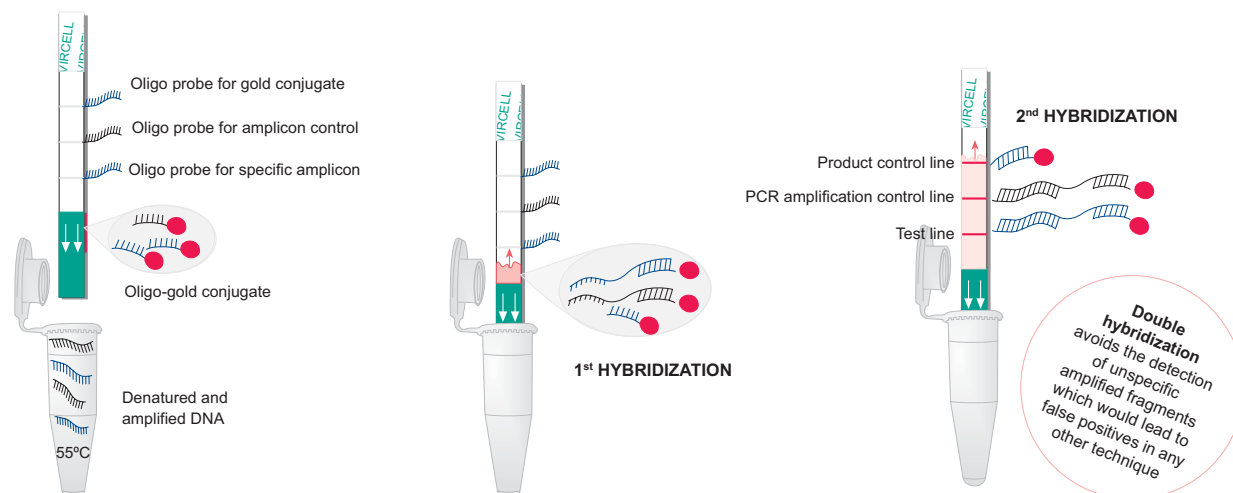
**New!**

ref. SP015

## SPEED-OLIGO<sup>®</sup> NOVEL INFLUENZA A H1N1

**253 tested samples**  
performance report available

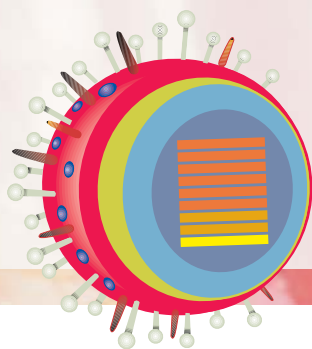
Speed-Oligo allows for a visual and direct analysis, through a simple technique which provides results in just a few minutes. It is PCR-based method coupled to a dipstick device that enables a **rapid, highly sensitive and specific detection**.



The denatured PCR products (specific microorganism amplicon and control amplicon) are diluted in the hybridization solution and come into contact with the strip.

When flowing along the strip, the specific and control amplicons react with the complementary probes coupled to colloidal gold.

When reaching the visualization zone, the complexes of specific and control amplicons and the colloidal gold conjugates, react with a second probe which is bound to the membrane, leading to a coloured band. The excess of conjugate reacts with a complementary probe on the control line.



ref. SP015

**New!**

# SPEED-OLIGO®

## NOVEL INFLUENZA A H1N1

**253 tested samples**  
performance report available

### Product description

Oligochromatographic test for the qualitative detection of novel influenza A H1N1 (nH1N1) in clinical samples.

### Method fundamentals

It is based on the amplification of a specific fragment gene of nH1N1 influenza A virus, and allows a rapid diagnosis of nH1N1 influenza A virus infections.

### Kit contents

The kit contains 40 tests and includes all reagents necessary to perform the PCR reaction and the detection step.

### Materials required but not supplied

The user must have an extraction RNA kit and a retrotranscription kit. It is also necessary to count with other common materials in the Molecular Biology laboratories, which are specified in the product insert.

### Necessary instrumentation

Speed-oligo® requires minimal equipment. Having a thermocycler (conventional or fast) and a thermoblock it is possible to perform the technique. These instruments are very usual in Molecular Biology laboratories, and they do not have to be used for this product exclusively.

### Expiry date

The expiry date for all Speed-oligo® product range is 1 year after manufacture date.

### Storage requirements

Speed-oligo® products must be stored between 2 and 8°C. The PCR mix included is prepared and dispensed in several vials with lyophilized presentation.

### Performance time

Speed-oligo® stands out for its speed. Only 5 minutes are necessary for the hybridization and the dipstick detection. Interpretation results are very easy to read using the reading card included in the kit.

The total length of the technique, including the RNA extraction and retrotranscription, is 1 hour and 30 minutes approximately.

### Evaluation

A performance study of 253 samples done in collaboration with the Hospital Universitario Virgen de las Nieves of Granada, showed 100% of specificity and 97,5% of sensitivity.

SPEED-OLIGO® NOVEL INFLUENZA A H1N1 showed 99% agreement with the validated "in house" qRT-PCR and no cross-reactivity with other influenza viruses or other viruses was found.

### Other benefits

**Highly specific technique for its double hybridization.** The oligonucleotides of the complementary probes of the specific amplicon and control, are immobilized in the membrane. The detection method is performed through a double hybridization, in one hand with the immobilized probes and on the other hand with a colloidal gold marker. Double hybridization avoids the detection of unspecific amplified fragments which would lead to false positives in any other technique.

**No handling of toxic substances.** Speed-oligo® incorporates all the advantages of Molecular Biology in a rapid test, avoiding the ethidium bromide, traditionally used in the detection of PCR products. Its new technology solves in a fast and easy way the revealing and the interpretation of the PCR technique.

### Other Speed-oligo® references

Speed-oligo® product line includes a wide range of parameters in single test and multitest format. Visit our website to know better about our kits for the diagnosis of bacterial meningitis, mycobacteria, group B streptococcus, chagas, bacterial pneumonia, *Chlamydomphila pneumoniae*, *Legionella pneumophila* and *Mycoplasma pneumoniae*.

Designed and produced by