

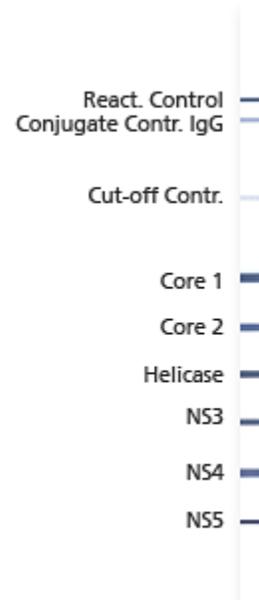
## recomLine HCV IgG

Strip-Immunoassay with antigens produced by recombinant techniques for the detection of IgG antibodies against Hepatitis C Virus (HCV).

The most important pathogen responsible for parenterally transmitted non-A, non-B hepatitis is the Hepatitis C virus (HCV). This disease is characterized by an incubation period of 2 - 26 weeks and a mild to fulminant course in the acute phase. 50 - 70 % of the patients develop chronic hepatitis which leads to liver cirrhosis in 20 % of the cases. As with hepatitis B, the risk of developing hepatocellular carcinoma is also greatly increased in the case of a chronic HCV infection.

The *recomLine* HCV IgG assay uses recombinant antigens from the Core region, NS3, NS4 and NS5 and provides an easy and a reliable assay for HCV IgG antibody.

- **Includes 6 serologically relevant HCV antigens.**
- **Control band on every strip.**
- **Detects antibodies to HCV genotypes 1-6.**
- **No cross-reactivity with other hepatitis viruses.**

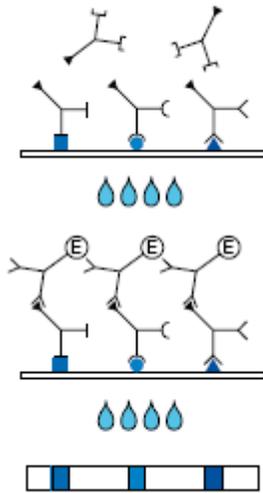


For more information visit  
<https://www.mikrogen.de/english/nc/product-s/product-overview/testsystem/hcv-igg.html>

*Available in the U.S. For Research Use Only.  
Not intended for diagnostic procedures.*

**Product #4372 *recomLine* HCV IgG  
(reagents for 20 tests)**

## Test Principle and Procedure



### 1<sup>st</sup> Incubation

A test strip loaded with HCV antigens is incubated with diluted sample in a dish for **3 hours**.

Wash strip 3 times.

### 2<sup>nd</sup> Incubation

Peroxidase conjugated anti-human antibody (IgG specific) is added. Incubate for **45 minutes**.

Wash strip 3 times.

### Color reaction

**8 minutes** after addition of the coloring solution, insoluble colored bands develop at the sites on the test strips occupied by antibodies.

## Recombinant HCV Antigens

HCV Region	Antigen
Core 1 and Core 2	Capsid antigens structural proteins
Helicase	Non-structural protein – part of NS3 with helicase activity
NS3	Non-structural protein with protease and helicase activity
NS4 and NS5	Non-structural proteins

## Storage

+2°C - +8°C

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