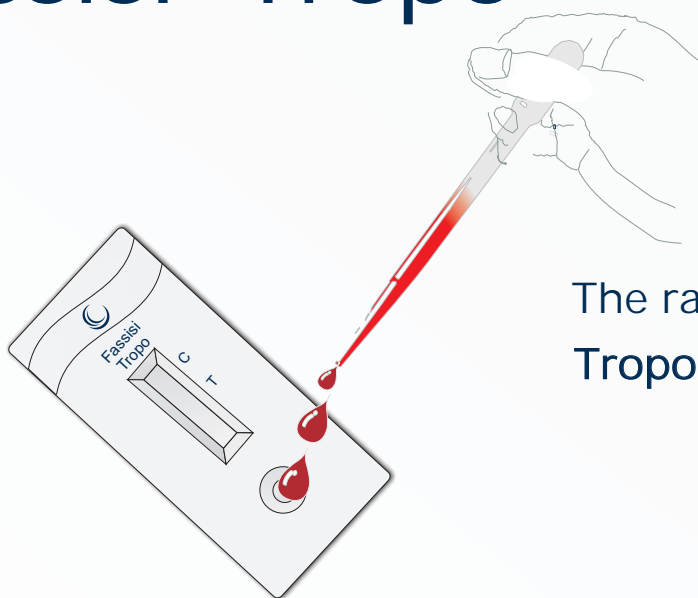




# Fassisi® Tropo



The rapid test for the detection of Troponin I in horses whole blood, serum and plasma.



FASSISI®

# Fassisi Tropo

Fassisi® Tropo is a rapid one-step chromatographic immunoassay for the qualitative detection cardiac Troponin I in whole blood, serum and plasma from horses. The Fassisi Tropo is a useful extension for a cardiological exploration diagnostic for horses and is an aid in the diagnosis of myocardial infection.

Cardiac Troponin I (cTnI) is a protein found in cardiac muscle. It is part of a three subunit complex comprising of Troponin T and Troponin C in animals. Because of its high specificity and sensitivity in the myocardial tissue, cTnI has recently become a preferred biomarker for myocardial infarction.

Under normal condition of the animal the cTnI concentration in blood, Serum or plasma is low. After cardiac injury occurs, cTnI is released into the blood for the next 3 -8 hours after the onset of pain.

The high concentration level of cTnI has been demonstrated in conditions such as acute myocardial infarction, cardiomyopathy as well as traumata.

Qualitative troponin detection is advisable in the acute diagnostic and at an early stage diagnostic for the detection of odmyocardial damages.

Fassisi Tropo is for the detection Troponin I (cTnI) antibodies and give a clear indications of a high Troponin I concentration level.

The rapid test Fassisi Tropo is adjuvant for the veterinarian concerning a cardiological exploration diagnostic for horses and is also needed for acute clinical diagnostic.

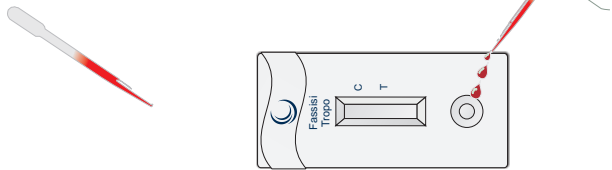
- Test results after a few minutes
- Offers a great high user-friendliness
- No special laboratory knowlege is necessary
- Applicable for acute clinical diagnostic and for the early diagnosis

## Testing Principle

The Fassisi Tropo solution is a qualitative, membrane based, immunoassay for the detection of cTnI in whole blood, serum and plasma. The membrane is pre-coated with capture reagent on the test line region. During testing the troponin I in the sample material (whole blood, serum or plasma) specimen react with two specific anti cTnI antibodies.

After taking a blood sample and use the pipette for taking enough whole blood, serum or plasma.

Press the pipette and give 2-3 drops in the sample well of the test device.



Start the timer and wait till the red line/lines appear.

The test should be read at 10 minutes.



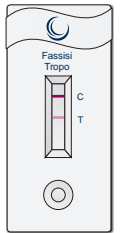
The mixture migrates upward on the membrane by capillary action. In the test line region the cTnI-antibody complex is captured by the immobilised capture reagent so that a red line is generated. The presence of a red line in the test line region indicates a positive result.

## Test Evaluation

The results can be read within 5 to 15 minutes.

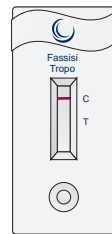
### Positiv result:

A red line appears in the control region and the second line appears in the test region. Two distinct red lines appear. Troponin I was detected.



### Negative test result:

Only one red line appears in the control line region. There is no red line in the test region, no Troponin I present in the specimen.



### Invalid result:

The control line is not formed- in this case the results is invalid. Review the test procedure and repeat the assay with a new test device.

## Shelf life

The test cassette has a shelf life of 24 month after manufacturing.

## Storage

Avoid storage in damp places.

Stored and used between 4°C and 30°C

Do not use the rapid test after the expiration date.

Do not freeze the test cartridges.

## Sensitivity and Specificity

Troponin I		Abbott 12000		Total
		Positive	Negative	
Fassisi Tropo	Positive	36	1	37
	Negative	4	84	88
	Total	40	85	125

Test study 2002

Sensitivity: 90,91 %  
Specificity: 98,84 %