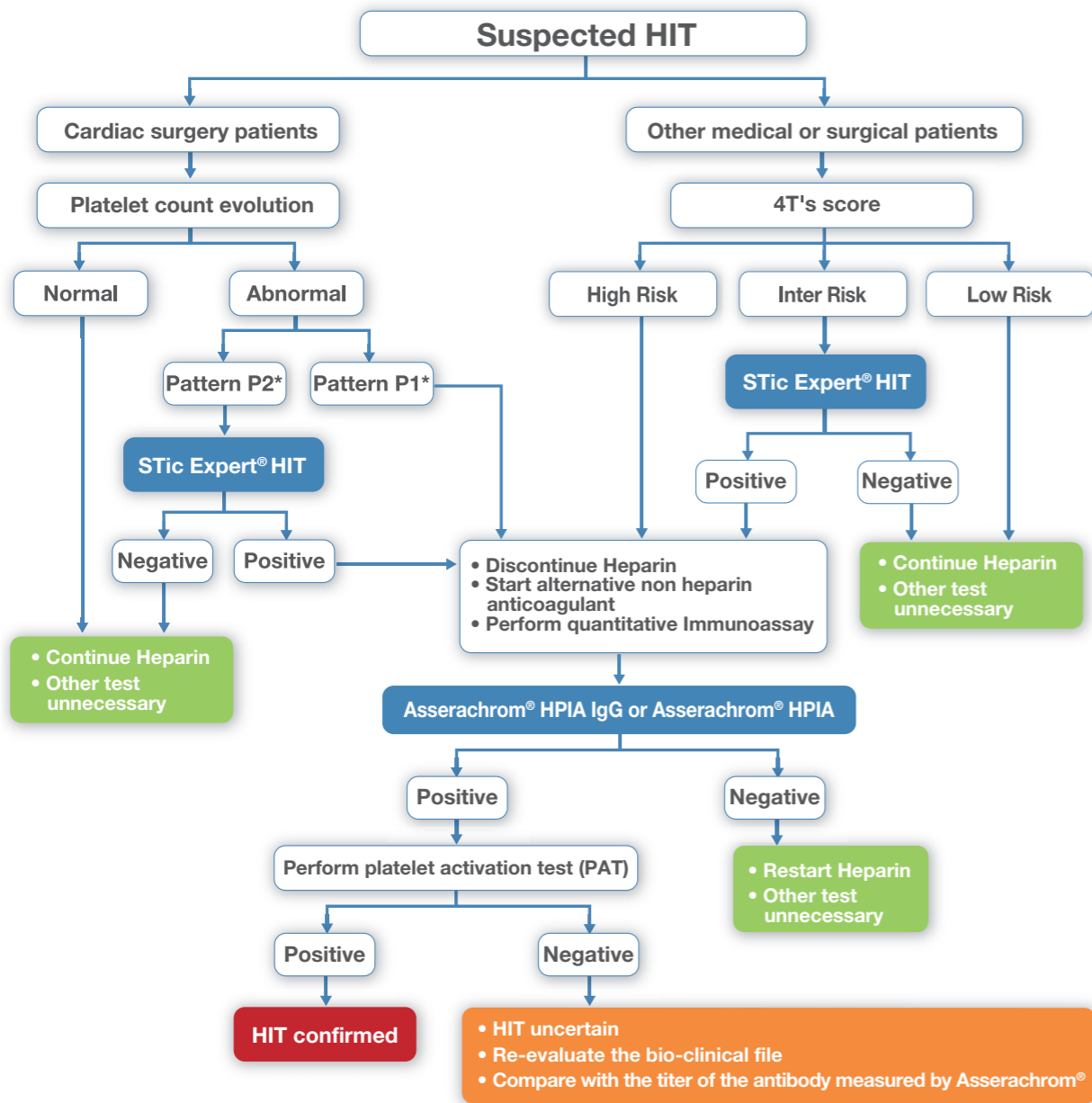


Diagnosis algorithm

HIT Range



In all cases, it is essential to consider both the **clinical assessment** and the **results of biological tests** (4T's, ELISA, PAT, evolution during treatment) before reaching any conclusion. If HIT is confirmed, it should be reported as a serious undesirable event.

*Pattern P1: decrease in platelet count by at least 40% compared to the maximum post-operative level, after correction of any thrombocytopenia which may occur during cardio-pulmonary bypass (specific for pathogenic antibodies to PF4/H complexes with a high PPV for HIT).

*Pattern P2: defined by persistent thrombocytopenia in days 5-10 postoperatively without any previous correction of PC after CPB (less frequently associated with HIT).

Realised in collaboration with: Dr Claire Pouplard & Pr Yves Gruel - CHRU Tours - France

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This document contains information on products which is targeted to a wide range of audiences and could contain product details or information otherwise not accessible or valid in your country.

A range of highly reliable tests in the event of HIT suspicion

- ▲ STic Expert® HIT
- ▲ Asserachrom® HPIA-IgG
- ▲ Asserachrom® HPIA

For further information, please contact:



At the Heart of Haemostasis

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A range of highly reliable tests in the event of HIT suspicion



HIT is a rare but serious prothrombotic complication associated with UFH and LMWH treatments. Diagnosis of HIT is based on clinical (4T's score) and laboratory criteria.

Nevertheless, over-diagnosis and over-treatment are currently the major problem^[1]

▲ a clinical HIT is confirmed in only [±10%] of patients with a suspicion of HIT^[2].

In 90% of patients investigated for HIT, it is important to rule-out HIT early and :

▲ continue the heparin therapy

▲ reduce bleeding risks and costs associated with alternative anticoagulants^[3]

This is why it is important to have available a test which can be used to detect HIT antibodies.

A negative result generally rules out HIT^[4]

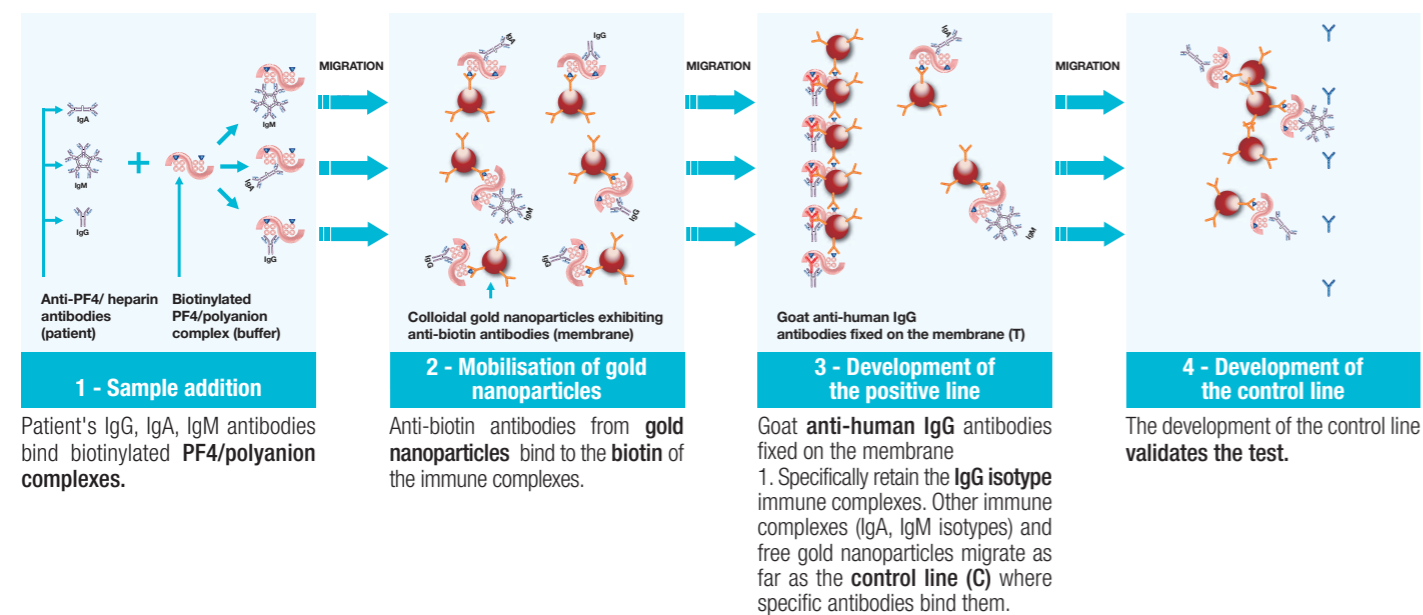
STic Expert® HIT

Rapid lateral flow immunoassay that detects anti-heparin-PF4 IgG antibodies:

- ▲ works with **plasma or serum**
- ▲ no need for **extra equipment**

- ▲ results in **10 minutes**
- ▲ internal control included

Test principle: positive example



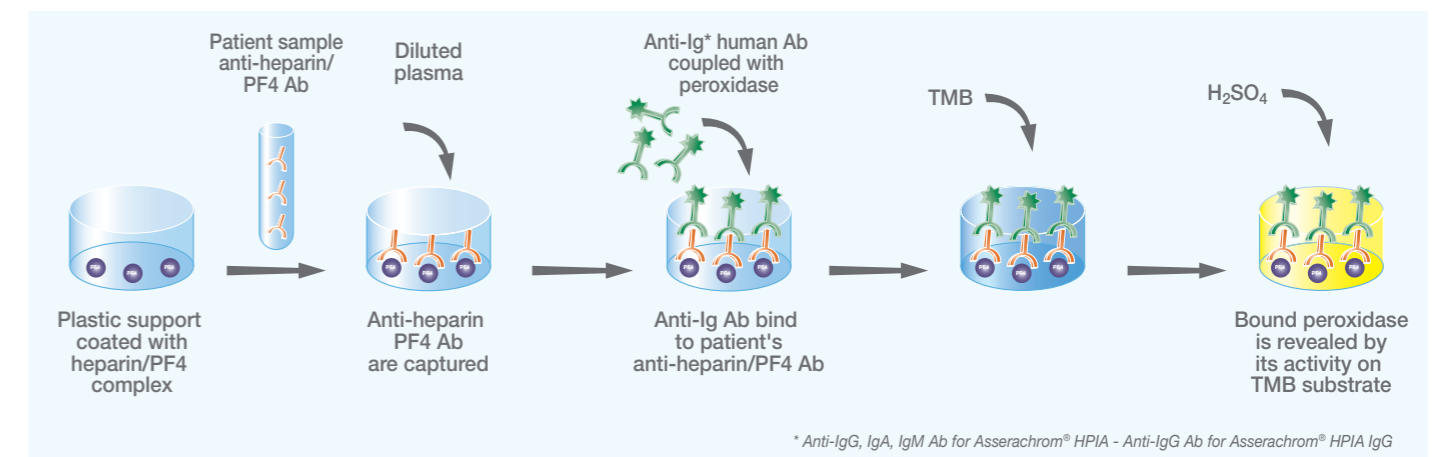
Asserachrom® HPIA

Two ELISA kits are available:

- ▲ 00624 Asserachrom® HPIA-IgG for detection of anti-heparin/PF4 IgG antibodies
- ▲ 00615 Asserachrom® HPIA for detection of anti-heparin/PF4 IgA, G and M antibodies

Convenient test format

- ▲ microplate format with **breakable strips** to better suit test series of different sizes
- ▲ quality controls and standards included in the kits



Results of multicentric studies

STic Expert® HIT ^[5]	
NPV (%)	99.6 / 100
Specificity (%)	83.4 / 82.2
Principle	Lateral Flow
Format	Unitary
Isotype	IgG
Sample Type	Plasma / Serum
Packaging	5 or 20 tests
Cat. Nr.	01058 (5) / 01059 (20)

- ▲ **Very good concordance** between plasma and serum
- ▲ **Excellent Negative Predictive Value (NPV)** to exclude the presence of functionally relevant HIT antibodies^[5]
- ▲ **High specificity** to reduce the risk of over-diagnosis

	Asserachrom® HPIA-IgG ^[6]	Asserachrom® HPIA ^[6]
NPV (%)	100	100
Specificity (%)	92.7	90.9
Principle	ELISA	ELISA
Format	Series / Unitary	Series / Unitary
Isotype	IgG	IgA, G, M
Sample Type	Plasma / Serum	Plasma / Serum
Packaging	6 strips x 8 tests	6 strips x 8 tests
Cat. Nr.	00624	00615

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