

Designed to detect IgG, IgA and IgM Heparin-Associated Antibodies

GENERAL INFORMATION

Patients receiving heparin treatment for at least a week often develop thrombocytopenia.^{1,2,3} In some cases the platelet levels are reduced only slightly and return to normal even when heparin treatment is continued. This type of thrombocytopenia is termed "Type I" heparin-induced thrombocytopenia (HIT), is not antibody-mediated and PF4 heparin-dependent antibodies are not detected.²

In other patients thrombocytopenia is usually more severe and is antibody-mediated and PF4 heparin-dependent antibodies are detected. This condition is designated "Type II" HIT. Type I HIT is generally considered to be a benign condition, whereas patients with Type II HIT are at risk to develop more severe thrombocytopenia as well as arterial or venous thrombosis if heparin therapy is continued. Antibodies associated with Type II HIT can be detected in several ways. The most commonly used techniques are the platelet aggregation test⁴, the serotonin release test⁵ and the PF4 ELISA.^{6,7,8}

It is now known that antibodies associated with Type II HIT recognize sites on "platelet factor 4" (PF4) that are created when PF4 is complexed with heparin or another linear polyanionic compound such as polyvinyl sulfonate (PVS).^{9,10,11}

GTI Diagnostics' PF4 ENHANCED® Solid Phase ELISA is a patented technology (US Patent# 5,972,718) for the detection of PF4 heparin-dependent antibodies.

SUMMARY OF EXPLANATION

- Fast -- assay can be completed in 2 hours
- Cost effective
- Consistent ELISA reliability
- Up to 45 samples in duplicate

ORDER INFORMATION

CATALOG NO: X-HAT13
DESCRIPTION: PF4 ENHANCED®
SIZE: Maximum 13 Tests Per Kit
AVG SHELF LIFE: 2 Years
STORAGE: 2-8°C

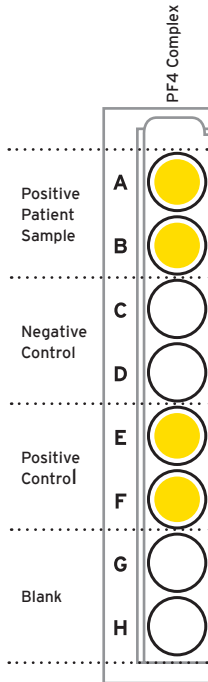
CATALOG NO: X-HAT45
DESCRIPTION: PF4 ENHANCED®
SIZE: Maximum 45 Tests Per Kit
AVG SHELF LIFE: 2 Years
STORAGE: 2-8°C

For In Vitro Diagnostic Use.



RESULTS

This patient sample indicates the presence of antibody against PF4 complex.



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GTI DIAGNOSTICS

Good science starts with people.®

20925 Crossroads Circle, Suite 200
Waukesha, WI 53186 USA

IN USA 800. 233 . 1843
TEL 262 . 754 . 1000
FAX 262 . 754 . 9831
EMAIL gti@gtidiagnostics.com
WWW gtidiagnostics.com

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