

MASPAT platelet crossmatching kit

Improve outcomes. Reduce costs. Act faster.

-  Reduced risk of platelet refractoriness
-  Fewer ineffective transfusions
-  Shorter hospital stays and lower healthcare costs
-  Less waste of valuable donor platelets

MASPAT is a reliable, sensitive and specific method for platelet crossmatching and offers comparable accuracy as FCP without expensive equipment.

Prof. Dr. Med. T.J. Legler – Göttingen university, Germany

Built for reliable, fast and simple testing

- Results in just 90 minutes
- Reliable, sensitive and specific crossmatching
- No need for specialised equipment (e.g. flow cytometry)
- Clear macroscopic read-out using indicator red cells
- Easy to implement in immunohematology laboratories
- CE-IVD

The MASPAT Kit (K1360) contains:



- 1 Microtiter plate (12 × 8 wells) coated with CD41a monoclonal antibodies
- 2 MASPAT anti-human IgG (6 mL)
- 3 MASPAT LISS reagent (10 mL)
- 4 Negative control (no platelet-specific antibodies, 1 mL)
- 5 MASPAT Indicator Red Cells (K1139) (0.3% IgG-sensitized erythrocyte suspension)

Additionally needed:

Essange Reagents
Plesmanlaan 125
NL - 1066 CX Amsterdam

essange-reagents.com

Essange Reagents is a trade name of
Sanquin Reagents B.V.

K1360-EN2026

For additional information

Telephone: +31 20 4570707
E-mail: info@essange-reagents.nl

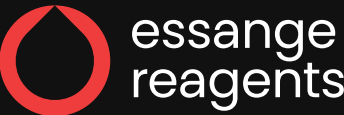
For order enquiries

Telephone: +31 20 4570708
E-mail: ordering@essange-reagents.nl



MASPAT for platelet crossmatching

Reliable platelet compatibility testing in 90 minutes



Blood Group Serology

Finding solutions for platelet transfusion challenges

Antibodies against platelets can lead to serious clinical disorders: Fetal and Neonatal Alloimmune Thrombocytopenia (FNAIT), Post-Transfusion Purpura (PTP), Platelet Refractoriness (PR) and Immune Thrombocytopenia (ITP).

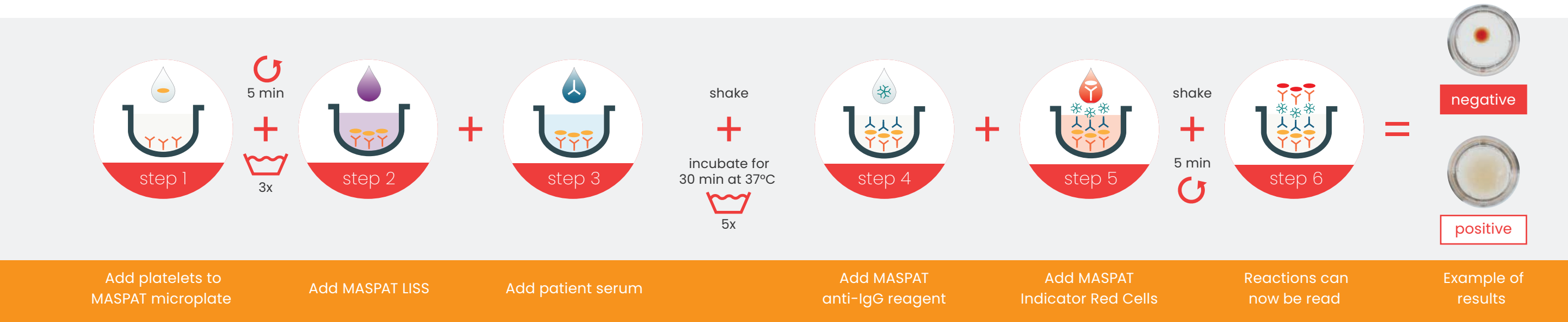
- Impact on patients:
- Impaired platelet function
 - Low platelet count < 50 x 10⁹ /L (thrombocytopenia)
 - Increased risk of morbidity and mortality
 - Up to 44% of transfusions are ineffective
 - Longer hospital stays and higher healthcare costs

- Limitations of current conventional testing methods:
- Results may take up to 2 days
 - Reliance on specialized laboratories
 - Require expensive equipment
 - Limited sensitivity for low-affinity antibodies



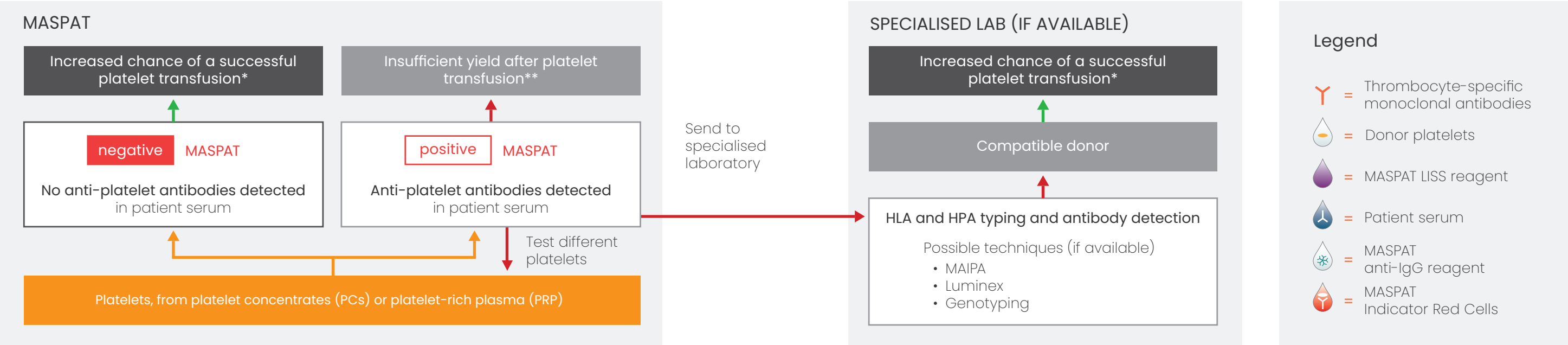
Essange Reagents MASPAT – Enables reliable platelet crossmatching with clear results in 90 minutes

Test procedure | 90 min



Thrombocytopenia in practice

Procedure with MASPAT kit



* Determined by corrected platelet count increment (CCI)
> 7.5 – one hour after transfusion and
> 4.5l – 6-24 hours after transfusion

** Platelet refractoriness; defined as at least 2
ABO-compatible platelet transfusions with a CCI of
< 7.5 – one hour after transfusion

Ref. adapted from CBO Blood transfusion Guidelines