

## Diagnostics

BASOTEST

MIGRATEST

PHAGOTEST

PHAGOBURST

NKTEST

THROMBOCYTEST immune

**THROMBOCYTEST plus**



# THROMBOCYTEST<sup>TM</sup> plus

## Reagent Kit for the Flow Cytometric Analysis of Thrombocytes

**Simple | Fast | Sensitive | Standardized Test Procedure | Complete Evaluation by Flow Cytometry**

Simple and sensitive method for the flow cytometric determination of reticulated platelets and the determination of absolute counts of thrombocytes.

Reagent kit contains a specific RNA dye which stains the RNA from reticulated platelets, CD42b-RPE, fluorescent beads as counting standard and further reagents.

The determination of reticulated platelets is useful for the evaluation of thrombopoietic disorders like thrombocytopenia, for monitoring course and treatment of Idiopathic Thrombocytopenic Purpura (ITP), of bone marrow transplantation success and during chemotherapy.

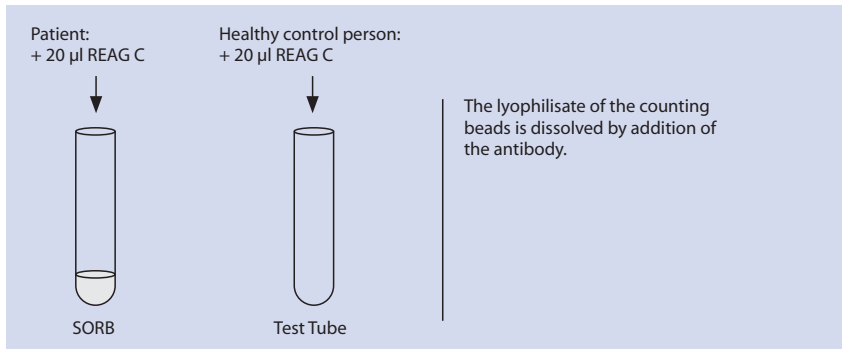
**Flow cytometric determination of reticulated platelets, measurement of low platelet count.**

# THROMBOCYTEST<sup>TM</sup> plus

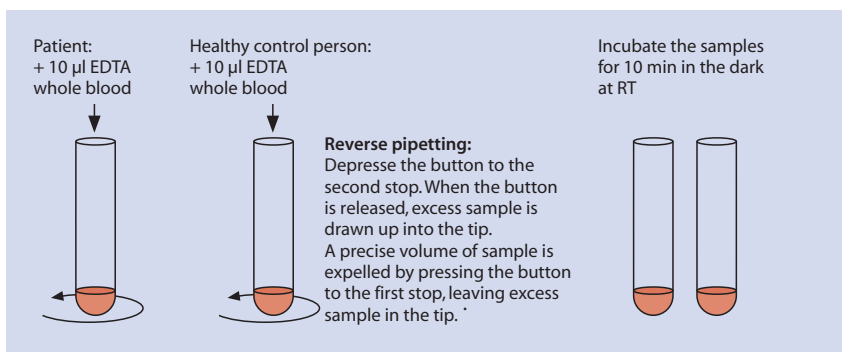
Determination of reticulated platelets  
Measurement of low platelet count

## A. Sample Preparation

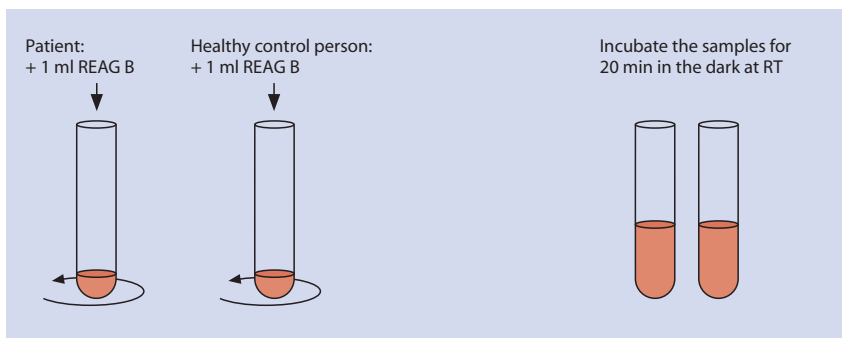
### 1. Addition of CD42b PE



### 2. Addition of EDTA whole blood



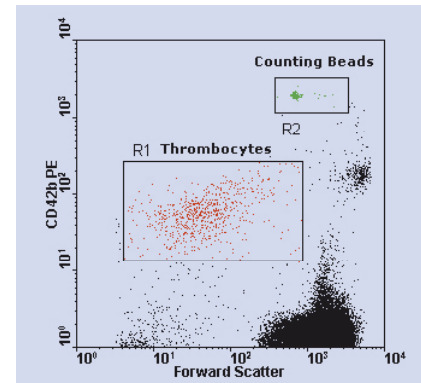
### 3. RNA Staining



REAG B = RNA STAINING SOLUTION  
REAG C = CD42B PE  
SORB = „Counting Tube“

## B. Measurement

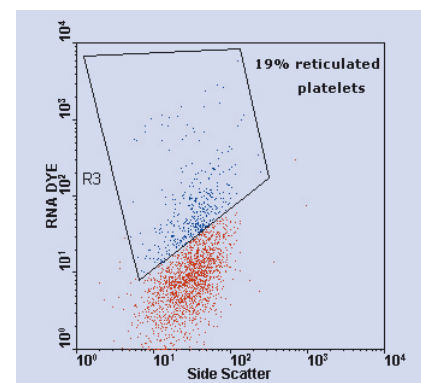
Set FSC and SSC amplifier gains to log mode. Region 1 set on CD42b positive thrombocytes, region 2 set on counting beads.



## C. Data Evaluation

(1) Calculating absolute counts of thrombocytes: Determine the number of thrombocytes in region 1 and the number of counting beads in region 2.

(2) Determining the percentage of reticulated platelets: After setting a logical gate on CD42b positive thrombocytes, the percentage of reticulated platelets is determined in region 3 in the dot plot diagram SSC vs. FL1.



For more information please contact us

### Dr. Werner Hirt

Head of Diagnostics / Immunology

Phone: + 49 6221 9105-0

e-mail: w.hirt@glycotope-bt.com

Glycotope Biotechnology GmbH | Czeryring 22 | D-69115 Heidelberg  
Germany | www.glycotope-bt.com