

Diagnostics

BASOTEST

MIGRATEST

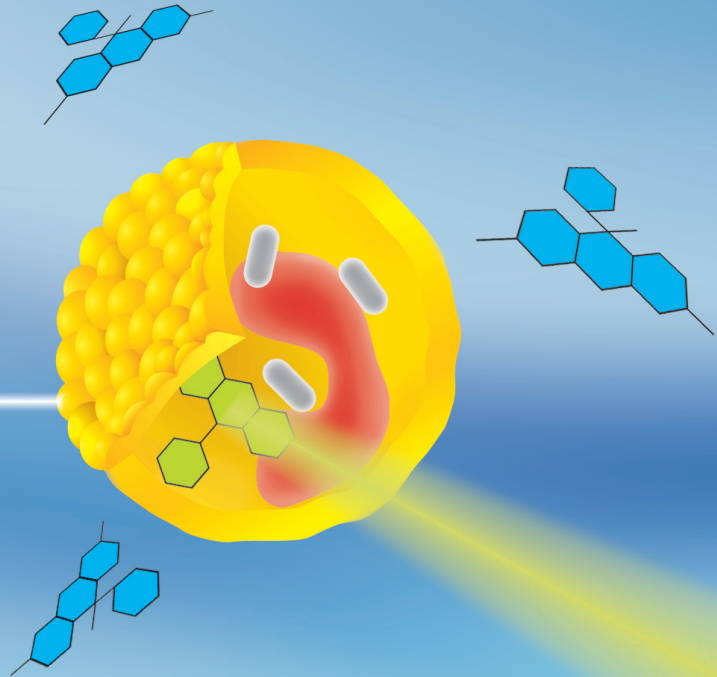
PHAGOTEST

PHAGOBURST

NKTEST

THROMBOCYTEST immune

THROMBOCYTEST plus



PHAGOBURST™

The Next Step in Phagocytosis Reagent Kit for the Quantitative Analysis of Leukocyte Oxidative Burst in Human Whole Blood

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

Simple and sensitive method for the flow cytometric determination of leukocyte oxidative burst in heparinized whole blood.

Reagent kit contains unlabeled opsonized E.coli bacteria, phorbol 12-myristate 13-acetate (PMA) and the chemotactic peptide N-formyl-Met-Leu-Phe (fMLP) as stimulants, dihydrorhodamine (DHR) 123 as a fluorogenic substrate and necessary reagents.

Exclusion of aggregation artifacts by DNA staining. Compatible for simultaneous immunofluorescence staining. Reagent kit is compatible with blood of mice, rats, rabbits, dogs, cattle and other species.

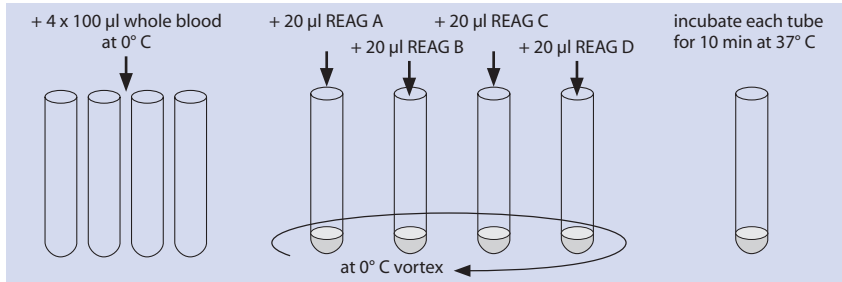
Quantitative analysis of leukocyte oxidative burst in 100 µl of whole blood under optimal conditions without any disturbance by isolation procedures.

PHAGOBURST™ Handling

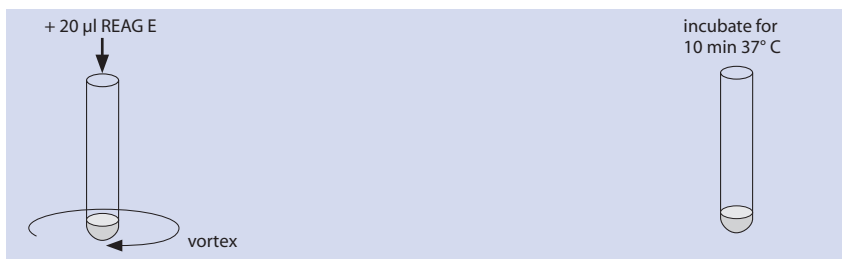
A. Sample Preparation

for low and high stimulant. Simple as you know it from immunofluorescences analysis:

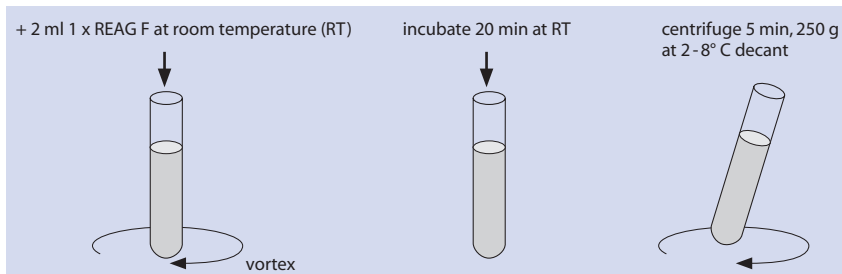
1. Activation



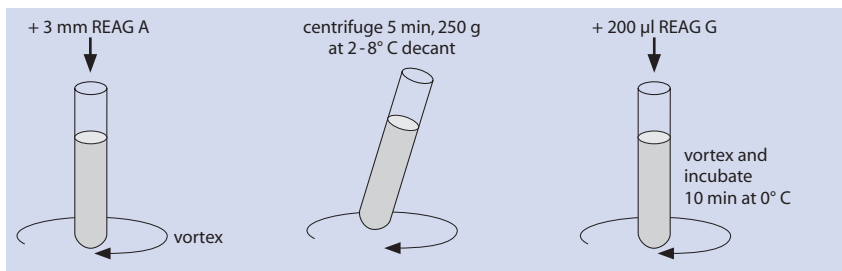
2. Oxidation



3. Lysing and Fixation



4. Washing and DNA Staining



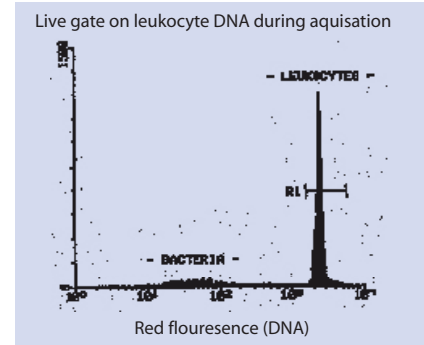
REAG A = wash solution
REAG B = E.coli bacteria

REAG C = fMLP
REAG D = PMA

REAG E = substrate solution
REAG F = lysing solution
REAG G = DNA staining solution

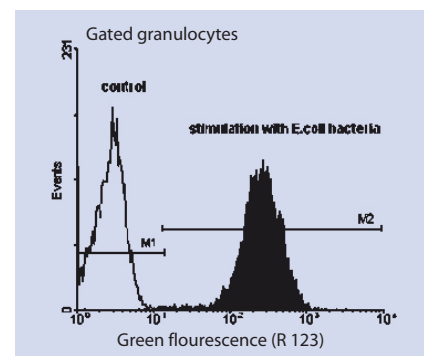
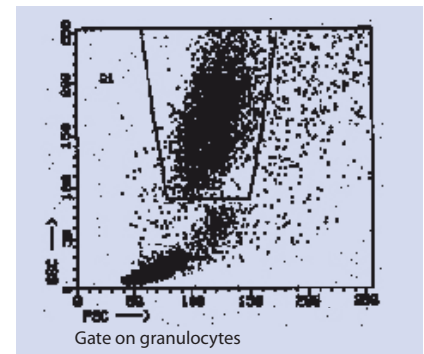
B. Measurement

Gating on leukocytes after DNA staining:
Discrimination of bacteria, single leukocytes and doublets



C. Data Evaluation

Gate on granulocytes and determine the percentage of oxidizing cells and their enzymatic activity (= mean fluorescence = number of cleaved substrate)



Report your results

For more information please contact us

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