Reagent Kit for the Quantitative Analysis of Leukocyte Phagocytosis 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 phagocytosis in heparinized whole blood.

Reagent kit contains fluorescein (FITC)-labelled opsonized E.coli bacteria 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 phagocytosis in 100 µl of whole blood under optimal conditions without any disturbance by isolation procedures.
**PHAGOTEST® Handling**

### A. Sample Preparation
Simple as you know it from immunofluorescence analysis

#### 1. Labeling
- 100 µl whole blood at 0°C
- Incubate for precisely 10 min at 37°C

#### 2. Quenching
- +20 µl REAG B at 0°C

#### 3. Lysing and Fixation
- +2 ml REAG D at room temp. (RT)
- Centrifuge 5 min, 250 g at 2-8°C
- Incubate 5 min at RT

#### 4. Washing and DNA Staining
- +100 µl REAG C at 0°C

### B. Measurement
Gating on leukocytes after DNA staining: Discrimination of bacteria, single leukocytes and doublets

### C. Data Evaluation
Gate on monocytes and granulocytes and determine the percentage of phagocytes and their phagocytic activity (= mean fluorescence = number of bacteria per cell)

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For more information please contact us

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