BASOTEST™

Reagent Kit for the Determination of Allergen Induced Basophil Degranulation

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

Simple and sensitive method for the flow cytometric determination of basophil degranulation in heparinized whole blood.

Reagent kit contains the chemotactic peptide N-formyl-Met-Leu-Phe (fMLP) as positive control, important allergens, a two-colour antibody reagent for detection of human basophilic granulocytes and determination of basophil activation and necessary reagents.

Standardized test procedure for detecting immediate-type hypersensitivity, testing of natural allergens and checking the success of immunotherapy (e.g. hypo-sensitisation). Good correlation with histamine release assay.

Quantitative analysis of basophil degranulation in 100 µl of whole blood under optimal conditions without disturbance by isolation procedures.
A. Sample Preparation

1. Degranulation

2. Labelling

3. Lysing and Fixation

4. Washing

B. Measurement

Acquire data by setting the trigger threshold on fluorescence 2.

C. Data Evaluation

Gate on basophils expressing high amounts of IgE during data analysis (log FL2/in SSC)

Determine the percentage of activated basophilic granulocytes (gp 53 positive) cells

1 Unstimulated control
2 Stimulation with FMLP
3 Stimulation with grass pollen mixture

For more information please contact us

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