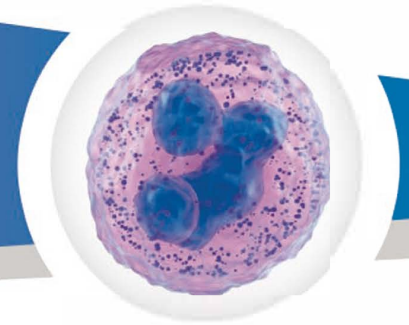


BASOSTEP

Determination of basophil activation upon allergen estimation by Flow Cytometry.

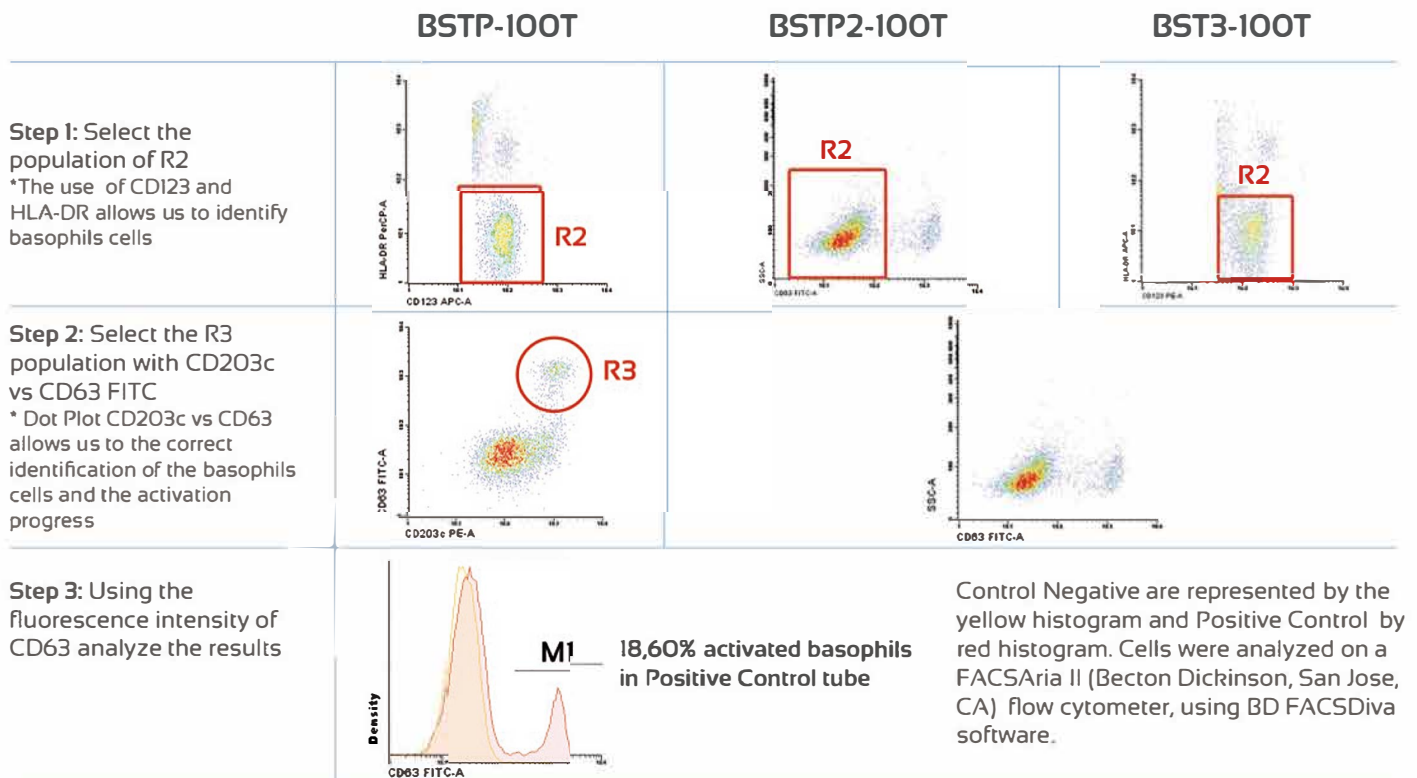


PRINCIPLE

Using defined allergens, this test provides information concerning of IgE-mediated allergic disorders via the CD63 antigen as a marker of basophil activation.

ADVANTAGES

1. Safer, since it does not expose the patient to any allergens. Allergy blood testing is the preferred test for infants and very young children.
2. More specific identification of basophils than other tests. CD203c marker included in the test is specific marker for basophils and mast cells.
3. Simple and fast, the kit contains positive and negative controls in lyophilized tubes, for ease handling.
4. Versatile kit that offers 3 different solutions (antibody combinations, prices) depending on the clinician needs.

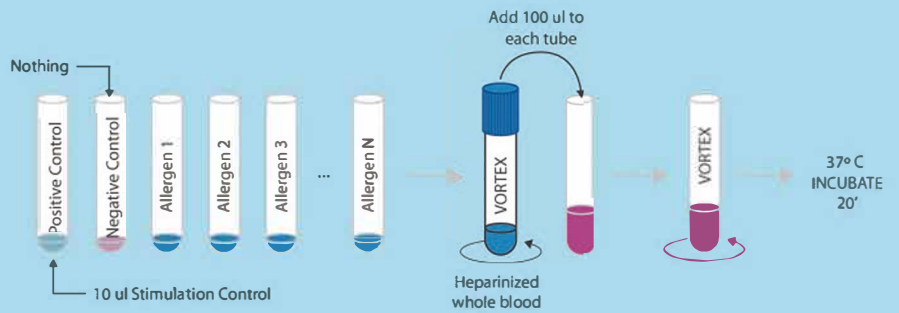


ASSAY PROCEDURE

1. SAMPLE PREPARATION

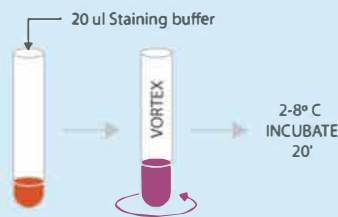


2. DEGRANULATION

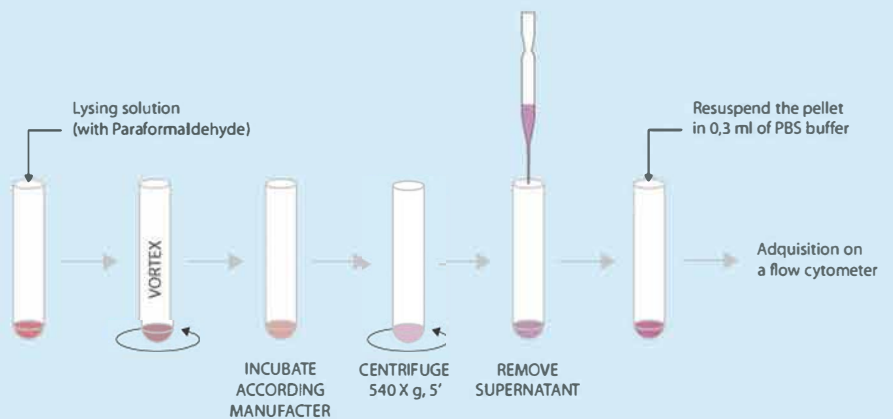


We recommend testing several dilution of each Allergen (e.g. 1:100; 1:1000; 1:10.000; 1:100.000; 1:1.000.000)

3. LABELLING

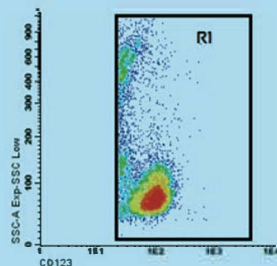


4. LYSING AND FIXATION



5. ADQUISITION

Set on the cytometer to store only the events in the region R1 as imagen right:



Acquire and store all R1 events possible. It is recommended to acquire at a low or medium speed to avoid cell aggregates.

BSTP-100T

STAINING REAGENT
 · CD63 FITC
 · CD203c PE
 · HLA-DR PERCP
 · CD123 APC

BSTP2-100T

STAINING REAGENT
 · CD63 FITC
 · CD123 PE
 · HLA-DR PERCP

BST3-100T

STAINING REAGENT
 · CD63 FITC
 · CD123 PE
 · HLA-DR APC

POSITIVE CONTROL
 · fMLP
 · Anti-Ig E

STIMULATION BUFFER
 Containing calcium, heparin and IL-3

Required apparatus:
 Flow cytometer with
 488 nm and 633 nm
 excitation wavelength

Required apparatus:
 Flow cytometer with
 488 nm excitation
 wavelength

Required apparatus:
 Flow cytometer with
 488 nm and 633 nm
 excitation wavelength

REFERENCES:

Sainte-Laudy, J, et al. Analysis of membrane expression of the CD63 human basophil activation marker. Applications to allergologic diagnosis. *Allerg. Immunol. Paris* 26, 211-4 (1994)



Address: Avda. Universidad de Coimbra, s/n
 Cancer Research Center (C.I.C.)
 Campus Miguel de Unamuno
 37007 Salamanca (Spain)

Tel. / Fax: (+34) 923 294 827
 E-mail: info@immunostep.com
 www.immunostep.com