

PHPC immunologic assay

Evaluation of cytokines secretion of Effector Memory T cells

- Unique, sensitive and specific *in vitro* assay to evaluate immune system functionality
- Constitution of Effector Memory T-cells are assessed through their cytokines secretion with an *in vitro* system that allows precursor T-cells to expand in response to an antigen and to acquire effector function. A final ELISpot step (see ELISpot immunologic assay) quantifies Effector Memory T-cells proliferation.
- Application in many fields:
 - ✓ Vaccine development (assessment of constitution of long-term immune protection)
 - ✓ Cancer vaccine development (assessment of constitution of long-term immune protection)
 - ✓ Transplantation (assessment of donor-specific T cell immunity pre-and-post-transplant)
 - ✓ Infectious diseases
 - ✓ Cancer research

Monitoring HIV-specific Effector Memory cells

