PepMix™ Peptide Pools

PepMixes™ are antigen spanning-peptide pools for stimulation of T-cells.

**Cancer**
- **Immune Checkpoints**
  - hPD-1, PD-L1, CTLA4
- **Breast Cancer**
  - Mammmaglobin, Mucin, Erbb2, CEA, Claudin, PSMA, HMMR and more
- **Prostate Cancer**
  - STEAP1, PAP, PSA, Myc, , PSMA and more
- **Melanoma**
  - MAGE A1, A3 and A4, Melan A, Tyrosinase, TRP2, , PSMA and more
- **Papillomavirus**
  - Proteins, E6, E7 & L1
- **Vaccinia Virus**
  - Host range protein 2
  - MVA 074R , MVA093L (p53)
  - Major core protein and more
- **Miscellaneous**
  - hTERT, Cyclin B1, Kir 4.1, NY-ESO1, PLAC1, p53, ACTL8, KKL1 and many more

**PepMix™ Collections**
- Breast Cancer, Prostate Cancer, Melanoma, HPV

**Infections**
- **Adenovirus**
  - VP1, Hexon & penton protein
- **BKV**
  - VP1, VP2, VP2, Large & small T antigen
- **EBV**
  - Barf-1, BMLF1, BZLF1, EBNA, LMP1, LMP2 and many more
- **HBV & HCV**
- **HCMV**
  - IE1, IE2, pp65 and many more
- **HIV**
  - Ultra Pools for gag, nef, env with highest clade coverage!
- **HPV**
  - Proteins E6 & E7 for many HPV types & more proteins
- **Influenza**
  - Hemagglutinin, Matrix proteins
- **M. Tuberculosis**
  - ACR, Ag85B, CFP, ESAT and more
- **ZIKA Virus**
  - C, E, M, NS1
- **Miscellaneous**
  - HEV, RSV, VZV, Yellow fever, Candida, HHV, HHV2, Zaire Ebola

**PepMix™ Collections**
- EBV, HCMV, HPV

**Positive Controls**
- NEW: CEFX / EFX SuperStim Ultra Pools
- CEF Pools (standard, ext.)
- CEFT, CEFT MHCII, EF Pools
- Various HCMV (pp65 etc.)

**Negative Controls**
- Actin (human)
- Hla class I Ig-like C1 type (human)
Cancer

Personalized RNA Mutanome Vaccines Mobilize Polyspecific Therapeutic Immunity Against Cancer

An Immunogenic Personal Neoantigen Vaccine for Patients with Melanoma

Decitabine Treatment Sensitizes Tumor Cells to T-Cell-Mediated Cytotoxicity in Patients with Myelodysplastic Syndromes

Personalized ex vivo Multiple Peptide Enrichment and Detection of T Cells Reactive to Multiple Tumor-associated Antigens in Prostate Cancer Patients

Infections

Differential Expression of CD8+ T Cell Cytotoxic Effector Molecules in Blood and Gastrointestinal Mucosa in HIV-1 Infection

Production of Trivalent Antigen-Specific T Cells Utilizing Viral Peptide Stimulation

Differential Expression of CD8+ T Cell Cytotoxic Effector Molecules in Blood and Gastrointestinal Mucosa in HIV-1 Infection
Kiniry et al., The Journal of Immunology (2018) – PMID: 29352005

Cytomegalovirus (CMV) Immune Monitoring with ELISPOT and QuantiFERON-CMV Assay in Seropositive Kidney Transplant Recipients

Immune Activation and HIV-Specific T Cell Responses are Modulated by a Cyclooxygenase-2 Inhibitor in Untreated HIV-Infected Individuals: An Exploratory Clinical Trial
Lee et al., Plos One (2017) – PMID: 29232714

Follistatin-Like Protein-1 Uregulates Dendritic Cell-Based Immunity in Patients with Nasopharyngeal Carcinoma
Hong et al., Journal of Interferon & Cytokine Research (2017) – PMID: 29135371

Methods of Cell Culture for Adoptive Cell Therapy

Protein Structure Shapes Immunodominance in the CD4 T cell Response to Yellow Fever Vaccination

Immunologic Profiling of Human Metapneumovirus (hMPV) Towards the Development of a Targeted Immunotherapy