

PEPperCHIP® Neglected Tropical Diseases Peptide Microarray

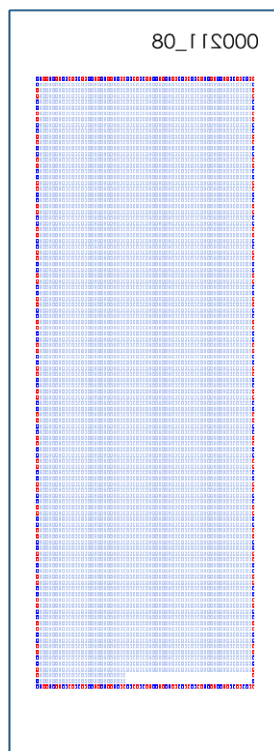
Product: PEPperCHIP® Peptide Microarray

Microarray Content: Peptides from causative organisms of 10 different neglected tropical diseases (NTDs):

Onchocerciasis (river blindness), Lymphatic filariasis (elephantiasis), Schistosomiasis (bilharzia), Trachoma, Helminthiases, Leprosy (Hansen’s disease), Leishmaniasis, Dracunculiasis (Guinea worm disease), Chagas disease, Human African trypanosomiasis (sleeping sickness)

Sequence Compilation: 3,374 database epitopes from the Immune Epitope Database and additional epitopes from literature were converted into 5,356 different 3 to 15 amino acid peptides printed in duplicate (10,712 peptide spots) with a peptide-peptide overlap of 14 amino acids for epitopes with more than 15 amino acids to obtain high resolution epitope data.

Microarray Layout:



Each PEPperCHIP® Peptide Microarray is marked with microarray ID on the backside of the glass slide. The glass slide is accurately placed in an incubation tray with the microarray surface up if the microarray ID appears in the top right corner in a mirror view manner.

The PEPperCHIP® Neglected Tropical Diseases Peptide Microarray contains a single peptide array and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® Neglected Tropical Diseases Peptide Microarray contains additional HA (YPYDVPDYAG, 116 spots) and polio (KEVPALTAVETGAT, 116 spots) control peptides.

Microarray Layout Files: Peptide Map Neglected Tropical Diseases Peptide Microarray.xlsx
Neglected Tropical Diseases Peptide Microarray.gal