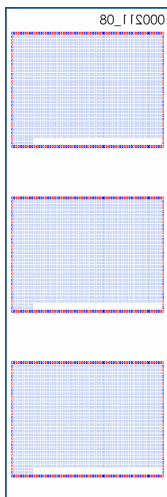


PEPperCHIP® HIV-1 (Env) Antigen Microarray

Product:	PEPperCHIP® Peptide Microarray
Organism:	Human immunodeficiency virus type 1 group M subtype B (isolate HXB2) (HIV-1)
Microarray Content:	Envelope glycoprotein gp160 (Env) cleaved into the following 2 chains: 1. Surface protein gp120 2. Transmembrane protein gp41
UniProt Entry:	P04578 (http://www.uniprot.org/uniprot/P14340)
Sequence Length/Status:	856 AA/Complete
Sequence Compilation:	The protein sequence was translated into 13mer peptides with a peptide-peptide overlap of 12 amino acids. The C- and N-termini were elongated by neutral GSGSGSG linkers to avoid truncated peptides.
Peptide Length/Overlap:	13 AA/12 AA
Number of Peptides/Spots:	858/1,716 (peptide duplicates)

Microarray Layout:



Each PEPperCHIP® is marked with an individual number on the backside of the slide. The slide is placed correctly in an incubation tray with the microarray surface up when the slide number appears in the **upper right corner in a **mirror view** manner.**

PEPperCHIP® HIV-1 (Env) Antigen Microarray contains three peptide array copies and is fully compatible with 3/3 well PEPperCHIP® Incubation Tray.

Each array copy is framed by Flag and HA control peptides (94 spots each peptide).

Microarray Layout Files:	Excel: Peptide_Map_HIV-1(Env)_Antigen_Microarray.xlsx GenePix® Pro: HIV-1(Env)_Antigen.gal PepSlide® Analyzer: HIV-1(Env)_Antigen.psf
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