

## PEPperCHIP® Hepatitis B Virus Proteome Microarray

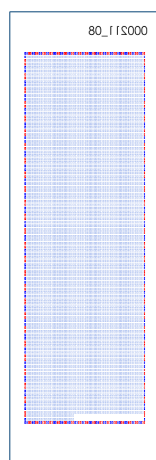
- Product:** PEPperCHIP® Peptide Microarray
- Organism:** Hepatitis B Virus
- Genotypes and strains:** Genotype A, subtype A1 adw2, isolate South Africa/84/2001  
 Genotype A, subtype A2 isolate Japan/11D11HCCW/1998  
 Genotype B, subtype B1, isolate Japan/Yamagata-2/1998  
 Genotype B, subtype B2, isolate Vietnam/9873/1997  
 Genotype C, subtype adr, isolate Japan/A4/1994  
 Genotype C, isolate Vietnam/3270/2000  
 Genotype D, isolate Germany/1-91/1991  
 Genotype E, isolate Cote d'Ivoire/ABI-212/2003  
 Genotype F, subtype F1, isolate Argentina/sa11/2000  
 Genotype F, subtype F2 adw4q, isolate Senegal/9203  
 Genotype G, isolate IG29227/2000  
 Genotype H, subtype adw4, isolate Nicaragua/2928Nic/1997

**Microarray Content:** Proteomes of the abovementioned strains as available on UniProt (see peptide map for UniProt IDs).

**Sequence Compilation:** The protein sequences were elongated by neutral GSGSGSG linkers to avoid truncated peptides. The elongated protein sequences were translated into 15 aa peptides printed in duplicate with a peptide-peptide overlap of 12 aa. Identical peptides were removed.

- peptide length/overlap: 15 aa / 12 aa
- number of peptides/spots: 4,713 / 9,426

**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.

PEPperCHIP® Hepatitis B Virus Microarray contains a single peptide array and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

PEPperCHIP® Hepatitis B Virus Microarray further contains additional HA, Polio and c-Myc control peptides (28, 36 and 24 spots each control).

**Microarray Layout Files:**

Excel: Peptide\_Map\_HBV\_Proteome\_Microarray

GenePix® Pro: HBV\_Microarray.gal

PepSlide® Analyzer: HBV\_Proteome\_Microarray.psf