

## PEPperCHIP® Vaccinia Virus Antigen Microarray

**Product:** PEPperCHIP® Peptide Microarray

**Organism:** Vaccinia Virus

Microarray Content:	Protein	UniProt Entry	Sequence Length
	Putative 21.7k protein	O57265	188 aa
	IMV associated protein p35	O57206	324 aa
	Putative 49.8k protein	O57196	434 aa
	Major core protein P4a	O57223	891 aa
	Interferon antagonist C7L	P68598	150 aa
	Cell surface-binding protein	O57211	304 aa

**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 maximum peptide-peptide overlap of 14 aa for full epitope coverage.

- peptide length/overlap: 15 aa / 14 aa
- number of peptides/spots: 2,326 / 4,652

**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® Vaccinia Virus Antigen Microarray contains two array copies each chip and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® Vaccinia Virus Antigen Microarray further contains HA, Polio and c-Myc control peptides (40, 30 and 22 spots each control).

**Microarray Layout Files:** Excel: Peptide\_Map\_VacciniaVirus\_Antigen\_Microarray.xlsx

GenePix® Pro: Vaccinia\_Virus\_Antigen.gal

PepSlide® Analyzer: Vaccinia\_Virus\_Antigen.psf