

PEPperCHIP® Trypanosoma Brucei Antigen Microarray

Product: PEPperCHIP® Peptide Microarray

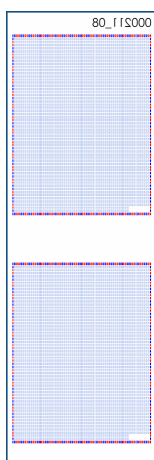
Organism: Trypanosoma brucei

Microarray Content:	Protein	Data Base Entry	Sequence Length
	LiTat 1.3	AJ304413.1 (GenBank)	480 aa
	LiTat 1.5	HQ662603.1 (GenBank)	501 aa
	MiTat1.4	P02896 (UniProt)	526 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: 1,522 / 3,044

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® Trypanosoma Brucei Antigen Microarray contains two array copies each chip and is compatible with a 3/2-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® Trypanosoma Brucei Antigen Microarray further contains HA, Polio and c-Myc control peptides (31, 28 and 22 spots each control).

Microarray Layout Files: Excel: Peptide_Map_Trypanosoma_Brucei_Antigen_Microarray.xlsx

GenePix® Pro: Trypanosoma_Brucei_Antigen.gal

PepSlide® Analyzer: Trypanosoma_Brucei_Antigen.psf