

Data Sheet

PRODUCT NAME: RepliTope Antigen Collection Malaria Ultra

PRODUCT CODE: RT-HD-Plas

REPOSITORY REFERENCE: 100619

DESCRIPTION: 5346 peptides (peptide length 15 AA)

SOURCE: Sequence diversity for all presented antigens was taken from www.malariagen.net. For *Pl. Falciparum* proteins only mutations with an allele frequency >0.5 % were considered. For *Pl. Vivax* proteins all mutations were presented in the peptide library. Each mutation is presented by a 15mer peptide with the mutation in central position. If the mutation is less than 8 amino acids away from C- or N-terminus, the 15 terminal amino acids were used.

Proteins:	Uniprot/GeneID	Name
	Q7KQL2;PF10_0303	25 kDa ookinete surface antigen (Pfs25)
	Q8IFM5;PFD1145c	Reticulocyte-binding protein homologue 5
	A5KDR7;PVX_110810	Duffy receptor
	A5KDY7;PVX_111175	Ookinete surface protein Pvs25
	Q7K740;PFC0210c	Circumsporozoite (CS) protein
	P13826;PVX_086150	Circumsporozoite protein
	Q7KQK5;PF11_0344	Apical membrane antigen 1
	Q76NM2;PF13_0201	Thrombospondin-related anonymous protein, TRAP
	H6U6V1;PFL0030c	VAR2CSA
	Q25886;PF10_0356	Liver stage antigen-1
	M1ETJ8;PFL0800c	Celtos
	Q764K8;PFI1475w	Merozoite surface protein 1
	Q9U415;PF13_0247	S48/45 (Sexual stage-specific surface antigen)
	Q9TVT7;PF10_0344	Glutamate rich protein
	Q86FQ2;PF10_0213	R21
	Q9U6T4;PFB0405w	Sexual stage antigen s230
	Q9TY95;PFB0340c	Serine-repeat antigen protein (111 kDa antigen) (p126)
	P04923;PF3D7_1121600	circumsporozoite-related antigen CRA (NANP repeats)
	Q8IJ55;PF10_0345	Merozoite surface protein 3
	Q6LFN2;PFF0165c	RING finger protein PFF0165c
	Q8IFM8;PFD1130w	cysteine-rich protective antigen

SPECIFICATION: Microarray glass slide, 1" x 3" (2.5 x 7.5cm)

LAYOUT: Peptides are printed in three individual subarrays. An exemplary view is shown below. For layout details please refer to .gal-file enclosed to shipment

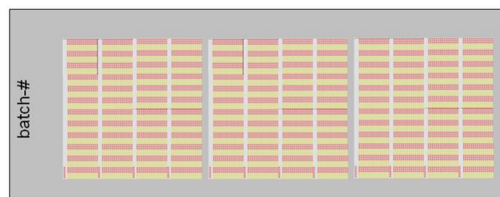
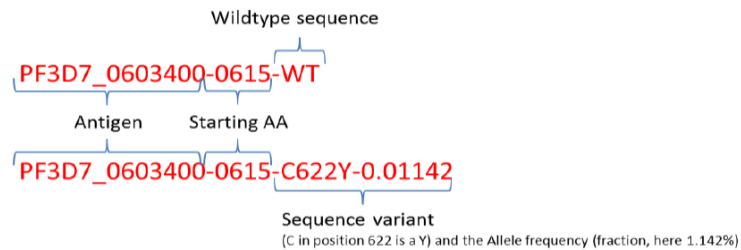


Figure 1: schematic view of peptide microarray (3 subarrays)

Annotation:

Peptide sequences are annotated as follows:



STORAGE:

Store refrigerated at +4°C

CONTRIBUTOR:

JPT Peptide Technologies GmbH, Volmerstrasse 5, 12489 Berlin,
Germany

ACKNOWLEDGEMENTS

Publications should acknowledge the contributor and the Centre for AIDS Reagents. Acknowledgments should read: "The *Name of Reagent (Repository Number)* was obtained from the Centre for AIDS Reagents, NIBSC, UK, supported by EURIPRED (EC FP7 INFRASTRUCTURES-2012 - INFRA-2012-1.1.5.: Grant Number 31266). www.euripred.eu/