STANDARD OPERATING PROCEDURE				
Ragon Institute of MGH, MIT and Harvard	Peptide Matrix Preparation		**SOP#**	PC-SOP-004
	Originated by:	Alicja Trocha	Date:	23 November 17
	Laboratory:	Walker Laboratory	Pages:	1 of 2
	Approved by:	Alicja Trocha		

I. PURPOSE

The purpose of this procedure is to outline the Peptide Matrix Preparation assay performed in Ragon laboratories.

II. SAFETY

This procedure needs to be carried out in the BSL2+ laboratory following all BL2+ regulations.

III. SCOPE

This procedure applies to all employees, students, contractors and visitors that work on peptide matrix preparation at Ragon laboratories.

IV. REQUIREMENTS

Training to be obtained by qualified trainer or Subject Matter Expertise (SME).

V. RESPONSIBILITIES

A. The Ragon Institute **qualified trainers** are responsible for the overall implementation of this procedure and ensuring compliance and for periodic review of this procedure. Updates if any may be initiated by the qualified trainers or Subject Matter Expertise (SME).
B. **All employees, students, contractors and visitors** are required to follow this procedure.

VI. PROCEDURE

SOP for matrix preparation.

Make peptide POOLS:

We have usually already have them in 2mg/ml –but if you need to make them:

- Use 40mg/ml stock peptide
- Final volume for each pool is 0.5 ml per vial
- Add 25ul of each peptide (pools have between 6-13 peptides)
- Fill to 0.5 ml with R + medium

To make MATRIX plate out of above peptides POOLS follow those steps:

- For 1 ml of solution take 50 ul of peptide pool and

- Add 950 ul of R+ medium
- **Concentration now is 100 ug/ml**
- Use 20 ul of that solution per MATRIX plate to have peptide concentration of **200ug/ml**- **final concentration of peptide on the plate (150 ul volume) will be 13ug/ml**
- We do it because smallest volume of the 12 channel pipette is 20 ul