



January 27, 2006

The NIAID, through the Biodefense and Emerging Infections Research Resources Program (BEI Resources; [www.beiresources.org](http://www.beiresources.org)) will make available sets of overlapping peptides (17 mers/11 amino acid overlaps; 80% purity) for the influenza proteome. The proteins are from viruses present in 2005-2006 influenza virus vaccine. Listed below are the arrayed sets that will be available in the spring-summer 2006. Each set of peptides will be arrayed in boxes, lyophilized 1 mg/vial in glass vials. Also included are peptides for the HA and NA genes of H5N1, as well as subsets of peptides representing diversity regions of H5N1 HA and influenza B HA. The NR-#s are the catalog numbers that have been assigned to these products. Scientists wish to request the peptides in the future should register through the website address listed above. These and other reagents from the NIAID repository are provided free of charge to NIH grantees and contractors; recipients pay only for shipping charges.

The repository currently has available peptide sets for West Nile Virus, Dengue Viruses and anthrax protective antigen.

<b>NR number assignments for Influenza Peptide Arrays</b>		
	<b>17 mers with 11 overlaps</b>	<b># of</b>
<b>BEI Item #</b>	<b>Description</b>	<b>Peptides</b>
NR-2602	Influenza peptide array, HA, (A/New Caledonia/20/99(H1N1))	94
NR-2603	Influenza peptide array, HA, (A/New York/384/2005(H3N2))	94
NR-2604	Influenza peptide array, HA, (A/Thailand/4(SP-528)/2004(H5N1))	94
NR-2605	Influenza peptide array, pre-HA, (B/Nanchang/12/98)	96
NR-2606	Influenza peptide array, NA, (A/New Caledonia/20/99(H1N1))	78
NR-2607	Influenza peptide array, NA, (A/Thailand/4(SP-528)/2004(H5N1))	74
NR-2608	Influenza peptide array, NA, (A/New York/384/2005(H3N2))	78
NR-2609	Influenza peptide array, H5N1 HA diverse peptide sequences	*
NR-2610	Influenza peptide array, Influenza B HA diverse peptide sequences	*
NR-2611	Influenza peptide array, NP, (A/New York/348/2003(H1N1))	82
NR-2612	Influenza peptide array, NS1, (A/New York/444/2001(H1N1))	37
NR-2613	Influenza peptide array, M1, (A/New York/348/2003(H1N1))	41
NR-2614	Influenza peptide array, M2, (A/New York/348/2003(H1N1))	15
NR-2615	Influenza peptide array, NS2, (A/New York/348/2003(H1N1))	19
NR-2616	Influenza peptide array, PB2, (A/New York/348/2003(H1N1))	126
NR-2617	Influenza peptide array, PB1, (A/New York/348/2003(H1N1))	126
NR-2618	Influenza peptide array, PA, (A/New York/348/2003(H1N1))	119

Listed below are the peptides for the diversity regions of H5N1 and B HA proteins. These are defined subsets of proteins that correspond to and diverge from the HA, (A/Thailand/4(SP-528)/2004(H5N1)) and pre-HA, (B/Nanchang/12/98) listed above.

<b>BEI Item #</b>	<b>Description</b>	<b>NR #</b>	<b>Peptides</b>
NRC-220	Influenza peptide array, H5N1 HA diverse, (A/Vietnam/1203/2004(H5N1)), aa36-63	NR-2609	3
NRC-221	Influenza peptide array, H5N1 HA diverse, (A/Thailand/2(SP-33)/2004(H5N1)), aa130-158	NR-2609	3
NRC-222	Influenza peptide array, H5N1 HA diverse, (A/Thailand/1(KAN-1)/2004(H5N1)), aa142-169	NR-2609	3
NRC-237	Influenza peptide array, H5N1 HA diverse, (A/Vietnam/3046/2004(H5N1)), aa136-164	NR-2609	3
NRC-223	Influenza peptide array, H5N1 HA diverse, (A/Vietnam/3046/2004(H5N1)), aa201-229	NR-2609	3
NRC-224	Influenza peptide array, H5N1 HA diverse,(A/Thailand/2(SP-33)/2004(H5N1)), aa369-397	NR-2609	3
NRC-225	Influenza peptide array, H5N1 HA diverse,(A/Thailand/2(SP-33)/2004(H5N1)), aa459-486	NR-2609	3
NRC-226	Influenza peptide array, Influenza B HA diverse, (B/Shanghai/361/2002), aa24-52	NR-2610	3
NRC-227	Influenza peptide array, Influenza B HA diverse, (B/Malaysia/2506/2004), aa47-103	NR-2610	8
NRC-228	Influenza peptide array, Influenza B HA diverse, (B/Shanghai/361/2002), aa113-147	NR-2610	4
NRC-229	Influenza peptide array, Influenza B HA diverse, (B/Malaysia/2506/2004), aa111-205	NR-2610	14
NRC-230	Influenza peptide array, Influenza B HA diverse, (B/Shanghai/361/2002), aa167-195	NR-2610	3
NRC-231	Influenza peptide array, Influenza B HA diverse, (B/Malaysia/2506/2004), aa195-235	NR-2610	5
NRC-232	Influenza peptide array, Influenza B HA diverse, (B/Malaysia/2506/2004), aa231-259	NR-2610	3
NRC-233	Influenza peptide array, Influenza B HA diverse, (B/Malaysia/2506/2004), aa255-289	NR-2610	4
NRC-234	Influenza peptide array, Influenza B HA diverse, (B/Shanghai/361/2002), aa311-333	NR-2610	2

All of these sets of peptides are currently under production NIAID contracts and will be made available for distribution as they are completed and delivered to BEI Resources.

If you have any questions concerning these reagents, please contact:

Kenneth J. Cremer, Ph.D.  
Senior Project Officer, Research Resources  
Office of Biodefense Research Affairs  
Division of Microbiology and Infectious Diseases  
National Institute of Allergy and Infectious Diseases  
National Institutes of Health

6610 Rockledge Drive, Room 5021  
Bethesda, MD 20892-6604

301-402-8590, 301-402-4197  
301-480-1263 (fax)  
[kcremer@niaid.nih.gov](mailto:kcremer@niaid.nih.gov)

Helen Schiltz, PhD  
Research Resources Program Officer  
Office of Biodefense Research Affairs  
Division of Microbiology and Infectious Diseases  
National Institute of Allergy and Infectious Diseases  
National Institutes of Health

6610 Rockledge Drive, Room 5025  
Bethesda, MD 20892-6604

Tel: (301) 451-3245  
Fax: (301) 480-1263  
[hschiltz@niaid.nih.gov](mailto:hschiltz@niaid.nih.gov)