

April 2, 2012

Pneumococcal ELISA Calibration Sera Panel B (for use with 007sp)

In 2011, a new standard serum was adopted for use in the pneumococcal ELISA. The serotype-specific IgG antibody concentrations of this new standard serum, 007sp, were determined by bridging it to the previous standard, 89SF. As a part of this bridging exercise, antibody levels for a panel of 12 calibration sera were assigned for 13 serotypes. For information on using these calibration sera for determination of assay comparability, or for the assigned values for the Pneumococcal ELISA Calibration Sera Panel A (for use with 89SF), click [here](#).

Table 1. Assigned IgG antibody levels for 12 pneumococcal WHO calibration sera as determined with the new pneumococcal standard 007sp*

Serotype	Calibration Serum											
	WHO 728	WHO 732	WHO 736	WHO 746	WHO 756	WHO 758	WHO 760	WHO 762	WHO 770	WHO 772	WHO 774	WHO 776
1	0.188	0.23	4.84	1.22	1.79	3.71	3.81	3.14	1.92	1.46	6.93	1.07
3	0.256	0.19	0.26	0.44	0.41	1.37	1.65	1.30	0.84	0.58	0.09	0.16
4	5.486	0.18	0.96	0.56	6.68	0.92	2.98	0.47	2.79	1.26	0.16	0.59
5	1.773	0.40	1.30	0.40	13.32	63.31	5.21	0.54	2.86	3.30	0.49	0.37
6A	0.339	0.39	1.19	0.45	4.93	3.62	1.83	0.77	3.17	2.01	0.51	0.41
6B	0.831	0.21	0.81	4.47	5.34	9.81	1.37	0.47	9.75	1.95	0.52	2.39
7F	0.97	1.74	4.76	1.46	2.20	10.84	30.79	4.08	7.35	4.04	0.69	0.31
9V	2.34	0.27	0.51	3.94	5.50	5.01	1.49	0.48	3.51	2.05	3.14	0.59
14	12.686	1.49	18.87	13.47	56.30	109.50	13.64	5.03	105.27	1.86	3.38	26.12
18C	1.878	0.52	1.85	0.84	7.48	14.12	3.02	0.40	3.76	2.03	0.23	0.35
19A	6.577	1.89	1.91	1.73	41.86	8.27	10.27	4.55	7.99	18.45	0.36	1.89
19F	8.29	0.67	0.88	6.43	10.46	10.73	6.29	2.86	7.04	6.56	0.44	0.60
23F	5.307	0.15	0.42	1.89	5.06	24.66	1.91	0.72	12.06	3.13	1.96	0.49

*007sp is absorbed with both C-PS and 22F PS in the assay.

Reference: Goldblatt D., et al. Establishment of a New Human Pneumococcal Standard Reference Serum, 007sp. *CVI* **18(10)**:1728-1736.