

Supplementary Table 2. Fluorescent signal values of testing pathogens of acute respiratory infection on xMAP fluid bead-based suspension array.

Sample	SP	MP	SM	CP	SA	KP	PA	AB	HCMV	AD	PIV1	PIV2	PIV3	RSA	FuIA	H5	N1	SARS	HBOV	HMPV
Negative	41	65	82	82	27	43	41	33	67	59	62	55	37	44	46	64	44	47	28	31
SP	650	62	54	52	42	66	112	55	27	49	79	53	54	47	52	40	18	51	43	25
MP	48	364	45	37	49	49	131	80	63	27	65	59	46	48	69	33	46	68	73	33
SM	53	38	2371	49	36	49	130	49	27	48	58	60	46	46	27	61	50	40	52	55
CP	50	46	40	588	47	25	108	73	18	55	44	46	43	45	31	66	58	50	58	57
SA	51	40	30	92	361	22	125	29	41	46	47	57	26	35	60	54	32	34	55	40
KP	55	46	44	34	59	805	68	68	47	25	36	45	53	40	70	53	23	67	70	52
PA	23	40	44	63	52	45	1257	38	55	50	56	48	29	38	78	31	79	54	44	79
AB	26	37	50	31	47	54	78	285	52	40	42	45	51	29	43	59	67	51	49	71
HCMV	41	38	27	34	40	37	29	43	405	63	65	53	43	107	35	50	58	79	53	54
AD	42	42	29	43	55	32	34	31	103	1319	42	65	38	92	38	73	67	47	61	67
PIV1	38	35	34	31	39	37	25	70	96	66	505	73	55	98	39	98	67	55	84	97
PIV2	29	39	25	70	38	24	41	43	111	83	51	843	50	105	66	84	59	71	80	63
PIV3	20	40	41	43	40	25	29	47	123	90	57	75	2605	92	67	58	79	47	101	85
RSV	36	30	29	47	43	28	34	43	128	79	54	64	61	1240	54	56	51	41	111	67
FuIA	71	43	16	46	88	30	60	73	45	43	41	41	31	65	241	72	60	58	66	73
H5	58	37	54	51	25	42	45	73	29	23	64	66	34	25	37	1200	37	64	59	75
N1	53	64	30	34	90	36	41	47	72	31	53	43	42	94	39	52	731	43	99	47
SARS	67	43	52	46	111	51	46	49	26	60	67	45	44	81	44	43	79	544	48	38
HBOV	52	58	51	32	73	48	48	36	59	44	69	22	40	70	40	68	49	53	637	109
HMPV	68	67	58	79	47	92	94	65	94	76	84	91	96	76	91	74	31	69	37	893

Abbreviations: AB: *Acinetobacter Baumannii*; AD: Adenovirus; CP: *Chlamydia Pneumonia*; Flu-A: Influenza A virus; H5: Influenza A virus subtype H5; HCMV: Human Cytomegalovirus; HMPV: Human Metapneumovirus; HBOV: Human Bocavirus; KP: *Klebsiella Pneumonia*; MP: *Mycoplasma Pneumonia*; N1: Influenza A virus subtype N1; PA: *Pseudomonas Aeruginosa*; PIV1: Human Parainfluenza Virus 1; PIV2: Human Parainfluenza Virus 2; PIV3: Human Parainfluenza Virus 3; RSV: Respiratory Syncytial Virus; SA: *Staphylococcus Aureus*; SARS: Severe Acute Respiratory Syndromes; SA-PE: Streptavidin- P-Phycoerythrin; SM: *Stenotrophomonas Maltophilia*; SP: *Streptococcus Pneumonia*.