

IDENTIFICATION OF DIFFERENT RESPIRATORY VIRUSES, AFTER A CELL CULTURE STEP, BY MATRIX ASSISTED LASER DESORPTION/IONIZATION TIME OF FLIGHT MASS SPECTROMETRY (MALDI-TOF MS)

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Table S1. Peaks list of all reference virus infected cell culture, with a 100% frequency in all replicates, in the molecular weight range 2000 – 11,200 Da.

Virus	Mass (Da)	S/N	Peak intensity (arbitrary unit)	Peak area
Human influenza A Neqas 1218	3325	3.9	907	5282
	3948	12.4	2896	25729
	4002	5	1176	10085
	4591	13.9	3155	25665
	4595	12.7	2888	22001
	4667	8.6	1961	16335
	4818	12.4	2893	27219
	5652*	12.9	3037	37802
	5673	8.6	2016	17396
	6275*	4.8	1063	10242
	6647*	6.4	1396	13072
	6889*	39.4	8467	122509
	6949	15.7	3351	30775
	7002*	27.6	5945	85128
	7013*	22.2	4782	62112
	7097*	7.8	1623	14473
	7258	7.1	1466	14482
10643	8.3	1236	13744	
Human influenza A ATCC VR219	4592	14.1	2519	17981
	4596	11.5	2037	14957
	4669	6.6	1149	8491
	4667	5.5	961	4907
	5654*	16.6	2964	35803
	5674	10.2	1822	15078
	6889*	59.3	11721	226095
	6895	50.2	9949	141152
	6952	21.3	4174	37539
	7005*	27.9	5394	70769
	7016*	22	4260	56054
	7101	6.1	1228	7518
	7261	4.2	763	5632
	10650	6.6	1303	14530
10890*	8	1576	16757	
Human influenza B Neqas 7260	2078	5.6	1922	10023
	3137	5.1	1764	9414
	3323	4.3	1535	7816
	3456	9.1	3291	22634
	3948	8.6	3329	33066

	4592	10.4	3671	32154
	4596	9.4	3359	33082
	4669	6	2173	20424
	4676	7.1	2493	19741
	6276*	10.7	4265	47590
	6648*	9.5	3823	41556
	6888*	36	13148	273979
	6894	31.7	11734	220372
	7004*	20.4	7602	112146
	7015*	16.4	6190	95808
	7099	5.2	1955	24281
	7259	4.4	1635	17588
	10646	6.2	1679	24962
	10887*	10.1	2726	61316
Parainfluenza virus type 1 ATCC VR-907	2413	5	8387	34403
	2505	5.4	9046	42116
	2688	4.6	7528	46826
	3101	2.8	4270	20931
	3182	4.3	6532	28192
	4083	9.7	12486	82799
	4228	10	12590	86704
	4243	2.4	3058	7997
	4357	3.4	3991	20556
	4432	2.9	3512	21702
	4477	3.4	3891	25924
	4774	5.3	5721	37244
	4984**	2.7	2640	16357
	6645**	2.9	1620	13091
	8446	6.2	1821	22547
Parainfluenza virus type 2 ATCC VR-92	3136**	6.2	6866	16543
	3271	3.6	5146	11178
	3455**	16	13419	57991
	4588	3.6	4684	10135
	4595	5.9	6259	18880
	4936**	4	4941	16202
	4963**	7.1	6972	28319
	5471	3.1	4014	14025
	5652	5.9	5736	21978
	5673	2.8	3822	8818
	6274**	10.5	8115	48236
	6543	5.8	5217	28063
	6893	16.6	10741	59794
	7272	5.8	4568	16236
	7411	3.1	3130	7286
7509	8.5	5642	24738	

	8562	9	4716	35657
Parainfluenza virus type 3 Neqas 1216	3138**	8.6	3274	18837
	3272	2.9	1108	6217
	3324**	8.5	3296	19498
	3460**	15.1	5798	40760
	3505	3.8	1451	9234
	3820	2.3	930	6366
	5477	4.7	2107	24317
	6278**	16.8	7534	77197
	6546	5.2	2278	26222
	6650**	16.7	7115	72873
	7005**	8.4	3720	43522
	7514	3	1233	10942
	10905	6.2	1711	26695
	Respiratory syncytial virus Neqas 1217	3457***	19.4	2581
3770		7.4	1067	6456
4594		17.1	2708	25576
4670		14.1	2247	25957
4939		7.9	1247	11138
4966***		7.8	1237	10831
6278***		5.7	963	9333
6896***		61.5	10906	213725
7006***		50.5	8951	198430
7096		12.9	2229	31301
7263		9.8	1690	21396
10641		15.5	2097	48234
10891		19.3	2616	51717
Adenovirus type 5 ATCC VR-1516	2188***	6.1	3351	7914
	2342	21.1	7844	30919
	2356	22.1	8161	32592
	2438	86.6	24660	144329
	2460	21.1	7718	34899
	2546	14	5690	18049
	2567	5	3195	8125
	2601	5.1	3199	8246
	2617	7.1	3754	9456
	3035	60.9	17399	105590
	3154	11.3	4464	22030
	3624	44.6	11843	71787
Adenovirus type 2 Neqas 9054	2369	23.38	25413	112146
	2383	29.46	31098	132759
	2397	20.52	22708	100016
	2411	15.96	18423	79181
	2438	59.68	58164	380413
	2466	28.4	30001	141544

	2545	4.52	7688	24119	
	2573	3.82	7009	18122	
	3035	59.82	57806	400787	
	3050	7,3	9946	48591	
	3151	5,7	8437	41200	
	3280	3,4	6298	20300	
	3323	5,3	8077	24795	
	3337	5,5	8197	29172	
	5653	10,5	13009	90298	
	5667	11	13562	85521	
	6275***	11	13639	106725	
	6303	8	10771	79641	
	6648***	13	16438	117103	
	6675	10,7	14347	108891	
	7004***	21,1	22946	185871	
	7017	25,4	26727	287679	
	7030	21,5	23390	338884	
	7315	3,6	7781	21868	
	10971	13	9954	56227	
Cytomegalovirus ATCC VR-977	2747	2.4	2475	10104	
	2947	3.3	3639	18995	
	3326	3.2	3568	19759	
	3421	4.2	4592	24199	
	3455 [§]	10.6	11619	81385	
	3493	4.8	5287	36314	
	3506	3.7	4120	22870	
	4075 [§]	10.4	11374	84141	
	4098	2.6	2844	11921	
	4139 [§]	9.3	10227	74504	
	4207 [§]	4.2	4616	26161	
	4411 [§]	6.3	6917	48986	
	4936 [§]	3.3	3565	23506	
	4962 [§]	3	3235	23024	
	5304	3.7	3904	28414	
	5491	4.3	4487	35343	
	5896 [§]	11.9	11739	134276	
	6543 [§]	4.4	3952	35529	
	6652	4.5	3894	38426	
	6843	7.3	6290	63876	
	6929	4.7	3942	35701	
	7008 [§]	7.2	5785	54930	
	7993	5.1	3440	29593	
	8426	5.3	3600	44873	
		2188	8.5	12953	58414

Echovirus type 30 ATCC VR-322	2203	3.4	5597	27571
	2812	3	5021	23476
	3267	2.5	4149	17633
	3421	2.4	3876	17488
	3493	3	4846	26153
	3505	2.9	4710	29837
	4075 [§]	14.7	20104	176259
	4138 [§]	11.1	16195	163306
	4207 [§]	7.8	11147	80119
	4371	4.3	6680	54299
	4411 [§]	8.2	12215	97768
	4899	4.9	7154	67214
	4935 [§]	3.4	5052	38880
	4963 [§]	4.3	6248	48299
	5492	7.6	10622	105569
	5748	3.4	4491	48414
	5802	3.2	4286	32725
	5897 [§]	12.1	15416	160660
	5972	3	3648	34510
	6543 [§]	6.4	7058	62836
	6654	7	7473	73265
	6875	5.4	5991	57639
	6987	6.4	6566	73305
	7011 [§]	8.5	8643	114220
	7809	4.4	3617	44935
	7995	4.7	3997	45509
	8426	5.2	4034	45497
	8546	3.6	2434	22173
	8563	2.9	2134	22681
	8791	3.6	1975	24161
10218	3.7	1823	20401	
Metapneumovirus	3370	46.1	10996	77484
	3441	52.1	12034	96025
	3485**	59.7	13357	121780
	3708	12.5	3656	17107

S/N: signal to noise ratio

* peaks present also in MDCK SIAT1 uninfected cells spectrum.

** peaks present also in LLC-MK2 uninfected cells spectrum.

*** peaks present also in Intestine 407 uninfected cells spectrum.

[§] peaks present also in MRC5 uninfected cells spectrum.