

SUPPLEMENTARY TABLE 1a. Influenza A(H1N1)pdm09 HINT Assay Antigenic Characterization Titer Table

Viruses Tested	Clade	Reference Antisera						
		A/WI/67/22 c ^a	A/Vic/4897/22 e ^a	A/CT/17/23	A/MI/59/23	A/IA/110/24	A/MO/11/25 c ^b	A/MO/11/25 e ^b
		C.1.1	D	C.1.8	C.1.9	C.1.9.3	D.3.1	D.3.1
Reference virus								
A/Wisconsin/67/2022 c ^a	C.1.1	2,560 ^c	1,280	1,280	1,280	640	1,280	640
A/Victoria/4897/2022 e ^a	D	640	320 ^c	320	320	80	320	160
A/Connecticut/17/2023	C.1.8	2,560	640	1,280 ^c	640	320	320	320
A/Michigan/59/2023	C.1.9	320	160	320	640 ^c	160	320	320
A/Iowa/110/2024	C.1.9.3	640	320	1,280	1,280	640 ^c	640	640
A/Missouri/11/2025 c ^b	D.3.1	640	640	640	320	320	640 ^c	1,280
A/Missouri/11/2025 e ^b	D.3.1	10,240	2,560	5,120	5,120	1,280	640	640 ^c
Test virus								
H125062	C.1.9	640	160	640	1,280	160	160	80
H125069	C.1.9	1,280	640	1,280	1,280	1,280	320	1,280
H125065	C.1.9.1	320	320	640	640	160	320	160
H125066	C.1.9.1	640	320	1,280	640	320	640	640
H125073	C.1.9.3	1,280	320	640	2,560	1,280	640	640
H125092	C.1.9.3	640	320	320	640	640	320	640
H125107	C.1.9.3	1,280	2,560	1,280	1,280	640	640	640
H125063	D	640	320	320	320	80	320	320
H125074	D	320	160	80	160	40	320	160
H125081	D.1	1,280	1,280	640	1,280	160	1,280	320
H125064	D.3.1	1,280	640	640	320	160	640	320
H125100	D.3.1	640	1,280	320	320	640	640	640
H125103	D.3.1	320	1,280	160	160	320	320	640
H125106	D.3.1	640	2,560	320	640	1,280	1,280	2,560
H126002	D.3.1	640	1,280	320	320	640	640	1,280
H126003	D.3.1.1	640	1,280	640	320	1,280	640	1,280
H126019	D.3.1.1	2,560	2,560	1,280	2,560	1,280	2,560	2,560
H126021	D.3.1.1	1,280	1,280	1,280	1,280	320	1,280	1,280
H125070	D.5	1,280	320	1,280	1,280	640	1,280	1,280
H125095	D.5	320	320	160	160	320	320	1,280

Abbreviations: HINT, high-content imaging-based micro-neutralization test; WI, Wisconsin; Vic, Victoria; CT, Connecticut; MI, Michigan; IA, Iowa; MO, Missouri.

^aTiters against 2025-2026 vaccine strain selections.

^bTiters against 2026-2027 vaccine strain recommendations.

^cHomologous titers.