

| | | HI titer with hyperimmune swine or ferret* serum against: | | | | | | | | | | | | | | | |
|---|---------|---|---------|--------|--------|---------|--------|--------|--------|---------|------|-----------|---------|---------|----------|-------|-------|
| | | Eu H1av | | | | Eu H1hu | | | | H1pdm09 | | US y/δ H1 | | | Human H1 | | |
| | | Sw F182 | sw BE98 | sw G05 | Sw G10 | sw SC94 | Sw G99 | Sw G02 | sw G12 | CA09 | SL15 | sw OH07 | sw IL10 | Sw AL16 | TW86* | NC99* | BR07* |
| Lineage | | | | | | | | | | | | | | | | | |
| A/swine/Gent/5/2019 (swG5/19) | Eu H1av | 640 | 640 | 320 | 40 | <10 | 20 | <10 | <10 | 20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/6/2019 (swG6/19) | Eu H1av | 320 | 640 | 320 | 40 | <10 | 40 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/9/2019 (swG9/19) | Eu H1av | 320 | 640 | 640 | 80 | <10 | 10 | <10 | <10 | 80 | 1280 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/29/2019 (swG29/19) | Eu H1av | 320 | 640 | 640 | 160 | <10 | 20 | <10 | <10 | 20 | <10 | 40 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/31/2019 (swG31/19) | Eu H1av | 320 | 320 | 640 | 80 | <10 | <10 | <10 | <10 | 40 | <10 | 10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/54/2019 (swG54/19) | Eu H1av | 160 | 320 | 320 | 40 | <10 | <10 | <10 | <10 | 40 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/99/2019 (swG99/19) | Eu H1av | 320 | 640 | 640 | 80 | <10 | <10 | <10 | <10 | 40 | 10 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/124/2019 (swG124/19) | Eu H1av | 160 | 160 | 640 | 40 | <10 | <10 | <10 | <10 | 40 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/184/2019 (swG184/19) | Eu H1av | 80 | 320 | 320 | 80 | <10 | <10 | <10 | <10 | 20 | <10 | 10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Netherlands/Gent-193/19 (swG193/19) | Eu H1av | 40 | 640 | 640 | 80 | <10 | 40 | <10 | <10 | 1280 | 320 | 10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/202/19 (swG202/19) | Eu H1av | 40 | 640 | 320 | 80 | <10 | 10 | <10 | <10 | 20 | <10 | 20 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/203/19 (swG203/19) | Eu H1av | 80 | 1280 | 640 | 160 | <10 | 20 | <10 | <10 | 80 | 20 | 20 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/204/19 (swG204/19) | Eu H1av | 40 | 640 | 640 | 80 | <10 | 10 | <10 | <10 | 20 | <10 | 20 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/205/19 (swG205/19) | Eu H1av | 20 | 640 | 320 | 40 | <10 | 10 | <10 | <10 | 20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/208/19 (swG208/19) | Eu H1av | 40 | 640 | 320 | 40 | <10 | <10 | <10 | <10 | 10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/236/19 (swG236/19) | Eu H1av | 410 | 320 | 320 | 80 | <10 | <10 | <10 | <10 | 10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/228/2014 (swG228/14) | H1pdm09 | 20 | <10 | <10 | <10 | <10 | 20 | <10 | <10 | 160 | 80 | <10 | 10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/121/2018 (swG121/18) | H1pdm09 | 640 | 80 | 80 | 20 | 10 | 10 | <10 | <10 | 1280 | 5120 | 80 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/53/2019 (swG53/19) | H1pdm09 | 320 | 40 | 40 | 20 | <10 | 20 | <10 | <10 | 1280 | 1280 | 20 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/220/19 (swG220/19) | H1pdm09 | <10 | <10 | 20 | <10 | <10 | <10 | <10 | <10 | 1280 | 320 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/235/19 (swG235/19) | H1pdm09 | <10 | <10 | <10 | <10 | <10 | 10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/30/2014 (swG30/14) | Eu H1hu | <10 | <10 | <10 | <10 | 320 | 2560 | 2560 | 640 | 10 | <10 | <10 | <10 | <10 | 40 | 10 | <10 |
| A/swine/Gent/35/2014 (swG35/14) | Eu H1hu | <10 | <10 | <10 | <10 | 160 | 2560 | 1280 | 640 | 10 | <10 | <10 | <10 | <10 | 40 | 10 | <10 |
| A/swine/Gent/93/2014 (swG93/14) | Eu H1hu | <10 | 20 | <10 | <10 | 640 | 5120 | 5120 | 2560 | 40 | <10 | <10 | <10 | <10 | 40 | 10 | <10 |

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|---|---------|---|---------|--------|--------|---------|--------|--------|--------|---------|------|-----------|---------|---------|----------|-------|-------|
| | | Eu H1av | | | | Eu H1hu | | | | H1pdm09 | | US y/δ H1 | | | Human H1 | | |
| | | Sw F182 | sw BE98 | sw G05 | Sw G10 | sw SC94 | Sw G99 | Sw G02 | sw G12 | CA09 | SL15 | sw OH07 | sw IL10 | Sw AL16 | TW86* | NC99* | BR07* |
| Lineage | | | | | | | | | | | | | | | | | |
| A/swine/Gent/94/2014 (swG94/14) | Eu H1hu | 20 | <10 | <10 | <10 | 80 | 2560 | 2560 | 1280 | 40 | 10 | <10 | 80 | <10 | 40 | 10 | <10 |
| A/swine/Gent/175/2014 (swG175/14) | Eu H1hu | <10 | 10 | <10 | <10 | 320 | 5120 | 5120 | 1280 | 20 | <10 | <10 | <10 | <10 | 80 | 20 | <10 |
| A/swine/Gent/36/2016 ^a (swG36/16) | Eu H1hu | 10 | 10 | <10 | <10 | 80 | 10240 | 2560 | 5120 | 80 | 10 | <10 | <10 | <10 | 320 | 40 | <10 |
| A/swine/Gent/5/2017 ^a (swG5/17) | Eu H1hu | 10 | 10 | <10 | <10 | 160 | 5120 | 5120 | 5120 | 80 | <10 | <10 | <10 | <10 | 640 | 80 | <10 |
| A/swine/Netherlands/Gent-7/2018 (swG7/18) | Eu H1hu | <10 | <10 | <10 | <10 | <10 | 640 | 80 | 160 | <10 | <10 | <10 | <10 | <10 | 10 | <10 | <10 |
| A/swine/Netherlands/Gent-9p18/2018 (swG9-18/18) | Eu H1hu | <10 | 20 | <10 | <10 | 20 | 2560 | 1280 | 640 | <10 | <10 | <10 | <10 | 10 | 20 | 80 | <10 |
| A/swine/Gent/77/2018 (swG77/18) | Eu H1hu | 10 | 40 | <10 | <10 | 2560 | 5120 | 2560 | 640 | <10 | <10 | <10 | <10 | <10 | 160 | 20 | <10 |
| A/swine/Gent/180/2018 (swG180/18) | Eu H1hu | 10 | 20 | <10 | <10 | 1280 | 5120 | 2560 | 1280 | 40 | <10 | <10 | <10 | <10 | 160 | 20 | <10 |
| A/swine/Netherlands/Gent-185/2018 (swG185/18) | Eu H1hu | 10 | 10 | <10 | <10 | 640 | 2560 | 1280 | 640 | 10 | <10 | <10 | <10 | <10 | 40 | 10 | <10 |
| A/swine/Gent/189/2018 (swG189/18) | Eu H1hu | <10 | 10 | <10 | <10 | 20 | 320 | 40 | 40 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| A/swine/Gent/216/2018 (swG216/18) | Eu H1hu | <10 | 20 | <10 | <10 | 80 | 1280 | 320 | 320 | <10 | <10 | <10 | 10 | <10 | <10 | 40 | <10 |
| A/swine/Gent/233/2018 (swG233/18) | Eu H1hu | <10 | <10 | <10 | <10 | 40 | 640 | 640 | 320 | 40 | 10 | <10 | 40 | <10 | 10 | 10 | <10 |
| A/swine/Gent/28/2019 (swG28/19) | Eu H1hu | 20 | <10 | <10 | <10 | 160 | 2560 | 1280 | 640 | 80 | 20 | <10 | 80 | <10 | 80 | 20 | <10 |
| A/swine/Gent/56/2019 (swG56/19) | Eu H1hu | <10 | 20 | <10 | <10 | 320 | 2560 | 2560 | 1280 | 40 | <10 | <10 | <10 | <10 | 80 | 40 | <10 |
| A/swine/Gent/76/2019 (swG75/19) | Eu H1hu | <10 | 10 | 10 | <10 | 80 | 2560 | 2560 | 1280 | 10 | <10 | <10 | <10 | <10 | 20 | 10 | <10 |
| A/swine/Gent/114/2019 (swG114/19) | Eu H1hu | <10 | 20 | <10 | <10 | 320 | 2560 | 2560 | 1280 | 10 | <10 | <10 | <10 | <10 | 320 | 20 | <10 |
| A/swine/Gent/119/2019 (swG119/19) | Eu H1hu | <10 | 20 | <10 | <10 | 320 | 5120 | 5120 | 2560 | 40 | <10 | <10 | <10 | <10 | 160 | 40 | <10 |
| A/swine/Gent/178/2019 (swG178/19) | Eu H1hu | <10 | 20 | <10 | <10 | 320 | 5120 | 2560 | 1280 | 40 | <10 | <10 | <10 | <10 | 160 | 40 | <10 |
| A/swine/Gent/180/2019 (swG180/19) | Eu H1hu | <10 | 20 | <10 | <10 | 320 | 5120 | 5120 | 1280 | 40 | <10 | <10 | <10 | <10 | 160 | 40 | <10 |
| A/swine/Gent/206/19 (swG206/19) | Eu H1hu | <10 | <10 | <10 | <10 | 80 | 5120 | 2560 | 640 | 320 | 10 | <10 | 160 | <10 | 20 | 10 | <10 |

