

Supplement:

| | SARS-CoV-2 IgA (U/mL) | | | SARS-CoV-2 IgG (BAU/mL) | | | cPass neutralizing capacity (%) | | |
|--|-----------------------|-------------------|-------------------|-------------------------|-------------------|-------------------|---------------------------------|-------------------|-------------------|
| | day 0 | day 0 2nd vacc | day 7 2nd vacc | day 0 | day 0 2nd vacc | day 7 2nd vacc | day 0 | day 0 2nd vacc | day 7 2nd vacc |
| patients with chronic inflammatory diseases | 1.00 | 3.04 | 5.76 | 3.20 | 33.10 | 122.00 | 3 | 2 | 37 |
| | 1.00 | 1.00 | 12.38 | 4.89 | 127.00 | 3676.00 | 0 | 27 | 96 |
| | 1.00 | 1.00 | 1.97 | 18.10 | 53.10 | 1001.00 | 0 | 0 | 95 |
| | 1.00 | 9.00 | 66.68 | 3.61 | 269.00 | 3273.00 | 0 | 56 | 96 |
| | 1.00 | 1.63 | 19.07 | 3.20 | 342.00 | 3200.00 | 0 | 76 | 97 |
| | 1.00 | | 4.78 | | | 1650.00 | 0 | | 97 |
| | 1.00 | 1.00 | 16.30 | 3.20 | 56.30 | 1107.00 | 3 | 1 | 95 |
| | 1.00 | 2.33 | 55.50 | 3.20 | 96.30 | 2067.00 | 0 | 49 | 97 |
| | 1.00 | 1.60 | 8.84 | 3.20 | 96.60 | | 0 | 37 | 95 |
| | 1.00 | 1.00 | 3.87 | 3.20 | 83.50 | 2100.00 | 0 | 20 | 96 |
| | 1.00 | | 1.00 | 11.60 | 9.31 | 98.20 | 2 | | 45 |
| | 1.00 | 1.37 | 29.40 | 3.20 | 326.00 | 2055.00 | 5 | 83 | 97 |
| | 1.17 | | 6.53 | 3.20 | 36.40 | 3840.00 | 0 | | 94 |
| | 1.00 | 5.09 | 120.74 | 3.20 | 318.00 | 3840.00 | 0 | 65 | 97 |
| | 1.00 | 3.37 | 10.10 | 3.20 | 206.00 | 3200.00 | 0 | 45 | 97 |
| | 1.00 | 7.52 | 40.36 | 3.52 | 857.00 | 3840.00 | 0 | 81 | 97 |
| | 1.77 | 6.84 | 18.54 | 3.20 | 128.00 | 611.68 | 0 | 24 | 88 |
| | 1.00 | 1.00 | 1.04 | 3.20 | 80.90 | 2875.00 | 0 | 29 | 80 |
| | 1.00 | 20.66 | 30.50 | 3.20 | 83.50 | 2100.00 | 0 | 46 | 97 |
| | 1.00 | | 81.36 | 3.20 | 384.00 | 3840.00 | 0 | | 97 |
| 1.00 | | 10.37 | 3.20 | 40.30 | 1950.00 | | | | |
| 1.00 | | 4.90 | 3.20 | 25.60 | 91.50 | 0 | | 82 | |
| 1.00 | | 6.76 | 3.20 | 72.90 | 560.00 | 0 | | 46 | |
| | | | 3.20 | | 2029.00 | | | | |
| Healthy volunteers | 1.00 | 12.32 | 11.98 | 12.30 | | 1536.00 | 0 | 67 | 96 |
| | 1.00 | | | 3.20 | | | 0 | | |
| | 1.00 | 1.00 | 27.56 | 3.20 | | 1536.00 | 0 | 29 | 96 |
| | 1.00 | 6.64 | 42.99 | 3.20 | | | 0 | 61 | 97 |
| | 1.00 | 17.84 | 116.28 | 9.15 | | 1536.00 | 2 | 81 | 97 |
| | 1.00 | 8.35 | 40.39 | 3.20 | | 3744.00 | 2 | 74 | 96 |
| | 1.00 | 4.48 | | 3.20 | | | 0 | 73 | |
| | 1.00 | 12.93 | 52.85 | 5.12 | | 1536.00 | 1 | 76 | 97 |
| | 1.00 | 12.91 | 172.35 | 16.70 | | 3840.00 | 0 | 67 | 97 |
| | 1.00 | 6.39 | 37.01 | 3.20 | | 3840.00 | 3 | 68 | 97 |
| | 1.00 | 3.04 | 26.94 | 3.93 | | | 1 | 57 | 96 |
| | 1.00 | 2.49 | 5.60 | 3.20 | | 3840.00 | 2 | 81 | 97 |
| | 1.00 | 12.68 | 127.23 | 3.93 | | | 8 | 83 | 97 |
| | 1.00 | 13.12 | 129.58 | 3.20 | | 1536.00 | 3 | 85 | 97 |
| | 1.00 | 7.24 | 24.05 | 3.77 | | 3225.00 | 1 | 84 | 96 |
| | 1.00 | 21.94 | 73.59 | 5.60 | | 3840.00 | 3 | 68 | 97 |
| | 1.00 | 1.96 | 19.48 | 3.20 | | 2547.00 | 3 | 48 | 96 |
| | 1.00 | 10.84 | 31.81 | 3.84 | | 3840.00 | 6 | 74 | 95 |
| | 1.00 | 2.75 | 34.12 | 3.20 | | 2416.00 | 0 | 37 | 96 |
| | 1.00 | | 12.71 | 3.20 | | 1536.00 | 3 | 52 | 96 |
| | 1.00 | | 32.09 | 3.68 | | 1536.00 | 1 | | 97 |
| | 1.00 | | 4.85 | 3.20 | | 819.00 | 3 | | 91 |
| | 1.00 | | 123.89 | 6.17 | | 1536.00 | 0 | | 96 |
| | 1.00 | | 26.74 | 3.20 | | 3619.00 | 5 | | 97 |
| | 1.00 | | 27.59 | 4.32 | | 3840.00 | 2 | | 92 |
| | | | | 3.20 | | | | | |
| | | | | 19.90 | | 1955.00 | | | |
| | | | | 3.20 | | 793.00 | | | |
| | | | | 5.85 | | 3840.00 | | | |
| | | | | 3.20 | | 3840.00 | | | |
| | | | 3.20 | | 3840.00 | | | | |
| | | | 3.20 | | 3072.00 | | | | |
| | | | 3.20 | | 1536.00 | | | | |
| | | | 3.20 | | 3840.00 | | | | |
| | | | 3.20 | | 3840.00 | | | | |
| | | | | | 3840.00 | | | | |
| | | | 3.20 | | 2336.00 | | | | |
| | | | 3.20 | | 1337.00 | | | | |
| | | | 3.40 | | | | | | |
| | | | 3.20 | | | | | | |
| | | | | | 1536.00 | | | | |