**Supplementary Table 1: Summary of alternative methods for immunogen production for anti-HIV vaccines.**

| Ref.          | pVL required to start HIV-1 isolation (RNA copies /mL) | Virus origin and spread                                                                 | Time in culture (days) | HIV-1 Production (RNA copies /mL) |
|--------------|--------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------|-----------------------------------|
| 14           | ≥ 10000                                                 | Heterologous Coculture of CD4+ T cells                                                 | 30                     | 2x10⁹                             |
| 15           | > 5000                                                  | Plasmaphereses                                                                         | 1                      | 7,4x10⁹                           |
| 16           | ≥ 50000                                                 | Leukaphereses Superinfection of CD4+ enriched T cells from one healthy donor with autologous HIV-1 (Endogenous virus was isolated from peripheral blood-derived CD4+ T cells). | 42-56                  | 6x10⁹                             |
| 17; 29; 13   | ≥ 10000                                                 | 150 mL peripheral blood Heterologous coculture of CD4+ cells                           | 28                     | 1.9x10⁹                           |
| 18           | Median 26225 (486-1860000)                             | Leukaphereses Autologous culture of CD4+ cells                                         | 36-55                  | 4x10⁹                             |
| This manuscript | >5000                                                    | 100 mL peripheral blood Autologous coculture of CD14+ and CD4 + cells                  | 20                     | 4,7x10¹⁰                          |