|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Age** | **vaccine** | **Doses** | **Pattern** | **Manufacturer** |
| 1 day | VAXXITEK HVT+IBD | 0.3ml | subcutaneous injection | Merial, China |
| 7 day | NB BLEN(Lasota+B48) |  | ocular/nasal drops | Merial, China |
| 17 day | AI killed vaccine (Re4+Re6) | 0.3ml | intramuscular injection | QYH Biotech Co., Ltd., China |
| 21 day | ND Killed vaccine(Lasota) | 0.3ml | intramuscular injection | Merial, China |
| 23 day | NB BLEN(Lasota+B48) |  | ocular/nasal drops | Merial, China |
| 28 day  | AI killed vaccine (Re4+Re6) | 0.3ml | intramuscular injection | QYH Biotech Co., Ltd., China |
| 35 day |  Pox live vaccine |  | by puncture of wing membrane | Merial, China |

**Table S7. The convention of vaccination program in this study.**