**Figure S1: Study vaccine reconstitution**

This is an extract from the study pharmacy manual BioProtection Systems, Inc. (BPS).



The rVSV-ZEBOV-GP vaccine was supplied in vials containing 1ml of 1x108 PFU/ml and was stored between -80°C+/-10 °C temperature until withdrawn for reconstitution. Vaccine reconstitution was performed by serial dilution. The 1 ml BPSC1001 vial was diluted with 9 ml of 0∙9% sodium chloride diluent to yield a concentration of 1x107PFU. From the 1x107 PFU constituted vial, 3∙5 ml was withdrawn and added to another vial containing 7∙5 ml of sodium chloride diluent to yield 11 ml of the 3x106 PFU dose. From the 3x106 PFU concentration, 1 ml was withdrawn and added to another vial containing 9 ml of sodium chloride to yield 10 ml of a concentration of 3x105 PFU. From the 3x105 PFU vial, 1 ml was obtained and added to 9 ml of sodium chloride in another vial to obtain 10 ml dose of 3x104 PFU. From the concentration of 3x104 PFU, 1 ml was obtained and added to 9 ml of sodium chloride to yield 10 ml of 3x103 PFU.

To obtain the 2x107 PFU dose, 4 ml of 0∙9% sodium chloride was added to 1 ml of the undiluted 1x108 BPSC1001 vial to obtain 5 ml of constituted vaccine. From this diluted vaccine vial, 1 ml was drawn into a syringe and administered to a single participant.