



**Viral Particle Request Form**  
**Viral Vector Core Facility**  
**The Miami Project to Cure Paralysis**



All information *must* be completed. Use a separate form for each type of viral particle to be produced and email to: [VVC@med.miami.edu](mailto:VVC@med.miami.edu)

*All information will remain confidential.*

**Section I: Requestor Information**

Date	
Requestor's Name	
Requestor's Email Address	
Requestor's Phone Number	
Principle Investigator	
Billing Account Number	

**You *must* have IBC approval to produce and/or use viral particles**

IBC Protocol Number	
Principle Investigator	

**Section II: General Information About Viral Particles to be Produced**

1. Type of viral particles to produce (check one)?  Lentivirus     Adeno-associated virus (AAV)  
 Other (charges to be determined)

2. Will you transduce *in vitro* or *in vivo* (check one)?     *In vitro*     *In vivo*     Both

3. What cell type(s) are you going to transduce?

4. What biological question(s) will you address using these viral particles?

**5. We *cannot* produce viral particles that exceed a biohazard safety level 2 (BL2) rating.**

Describe all dangers that may be uniquely presented by production and/or use of your viral particles. Will expression of the transgene present a biohazard (e.g., encodes an oncogene, toxin, *etc.*)?

## Section III: Purity and Charges

**Standard preparation includes FPLC purification for AAV particles, and ultracentrifugation for lentiviral particles. Other options are available at additional cost.**

- 6a. Lentiviral particles.** Standard preparations are typically ~450  $\mu\text{L}$  of  $>2.0 \times 10^{11}$  viral particles/mL\* in 1X PBS/1%BSA. Half-size preps are also available. Aliquots are 20  $\mu\text{L}$  in screw-cap vials. What size and how many preps do you want?

Total number of full-size preps

Total number of half-size preps (Titer same as full-size preps)

\*Lentiviral concentrations are determined by ELISA for the virus p24 protein. Typical preps yield  $>1.0 \times 10^7$  pg/mL of p24, corresponding to  $>1.0 \times 10^{11}$  viral particles/mL. However, the actual transduction depends on the cell-type and other conditions, and thus the Transducing Units (TU) should be determined empirically. See LentiWeb.com for further information.

- 6b. AAV particles.** AAV particles are FPLC-purified and typically yield ~200  $\mu\text{L}$  of  $>1.0 \times 10^{13}$  viral particles/mL (AAV-8) or  $>1.0 \times 10^{12}$  viral particles/mL (AAV-2) in 1X HBSS (based on qPCR). Indicate how many preps you want and the serotype.

Total number of standard preps

Total number of half preps (Titer same as full-size preps)

Choose serotype:

7. Provide any additional viral particle production instructions below (e.g., higher concentration):

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**Leave the following blank: the VVC will complete them.**

**I. Total charges: \$**

**II. Prep information:**

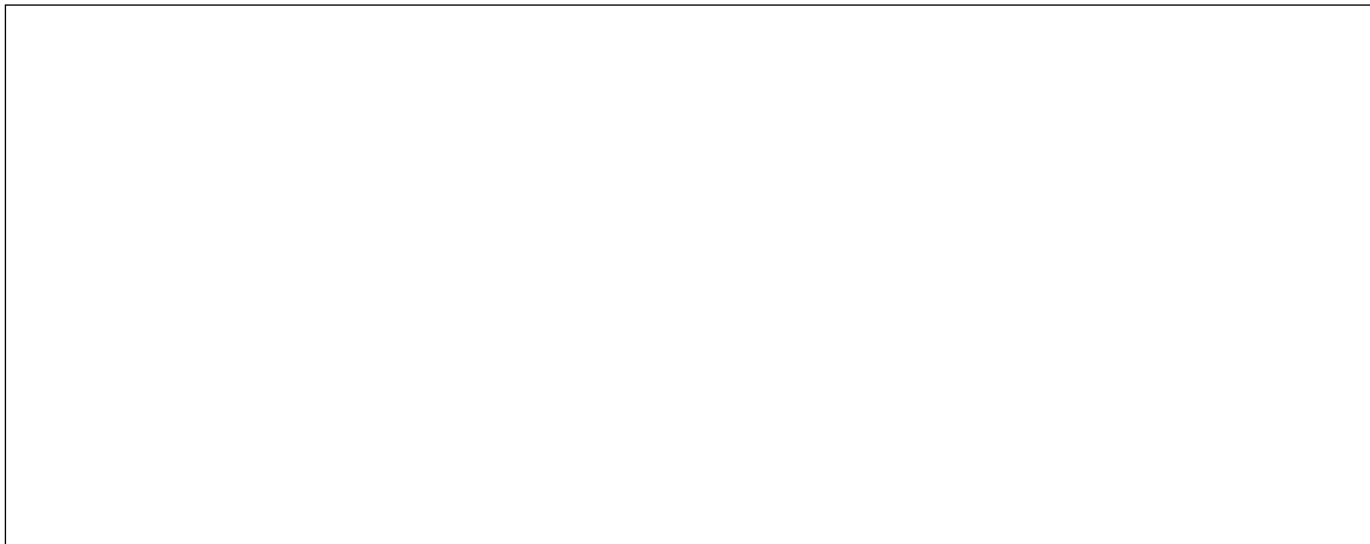
**III. Special VVC notes:**



**13.** Insert the following below:

**(1)** a gel image below showing **(a)** 0.5  $\mu\text{g}$  of undigested plasmid, and **(b)** 0.5  $\mu\text{g}$  of digested plasmid (cut to yield at least 2 bands), both from the final maxi-prep DNA being delivered for packaging.

Gel image



Text



**(2)** a map of the transfer plasmid (GenBank-formatted annotated sequence for all Miami Project VVC transfer plasmids are available from the Viral Vector Core).

