



Custom Lentivirus Production

Thank you for considering Applied Biological Materials (**abm**) Inc. as your provider for custom lentiviral production. At **abm** Inc., we provide quality with competitive pricing, and with our years of viral systems experience, you can be certain that your research needs are in the hands of the experts.

To start your lentiviral production, we need the following information and pre-requisites to provide you with the best service possible.

If you would like to provide us the DNA for general lentivirus production, we need at least the following amounts of DNA:

Cat. No.	Lentiviral Titer	Minimum DNA Requirements
LV001	Custom recombinant lentivirus (10^6 IU/ml)	60 µg of DNA at a concentration of 0.1 – 1.0 µg/µL.
LV001-a	High-Titer custom recombinant lentivirus (10^7 IU/ml)	75 µg of DNA at a concentration of 0.1 – 1.0 µg/µL.
LV001-b	High-Titer custom recombinant lentivirus (10^8 IU/ml)	300 µg of DNA at a concentration of 1.0 µg/µL or higher.
LV001-c	High-Titer custom recombinant lentivirus (10^9 IU/ml)	400 µg of DNA at a concentration of 1.0 µg/µL or higher.
LV001-d	High-Titer custom recombinant lentivirus (10^{10} IU/ml)	710 µg of DNA at a concentration of 1.0 µg/µL or higher.

Due to the long terminal repeats found in many common lentiviral vectors, we recommend using a strain that reduces the frequency of homologous recombination of unstable regions, such as **abm**'s ProClone™ Competent Cells (Cat. No. [E003](#)). This will ensure that the repeats will be maintained and often results in a greater yield of DNA. **abm** can also provide DNA Amplification without methylation as a special request. Note that additional costs will apply; please contact quotes@abmgood.com for more details.

The DNA should be sent via the customer's freight provider of choice and the customer is responsible for the total shipping fee of the DNA.

Different vector sources require different packaging mix, so please provide us with the vector source so we can package the virus accordingly.