

## VIRAL VECTOR

### OVERVIEW OF THE MJFF VIRAL VECTOR REPOSITORY

MJFF partners with Charles River Laboratories to license and distribute viral vectors generated by academic labs.

Charles River Laboratories distributes the viral vectors to non-profit and for-profit researchers under terms agreed upon by MJFF, Charles River Laboratories, and the depositing investigator/institution.

There is no cost for transferring plasmids to Charles River Laboratories to enable viral vector production.

### REPOSITORY WORKFLOW



MJFF and PI who owns the viral vector agree to transfer rights to the viral vector to Charles River for distribution.



Charles River reaches out to the PI and institution to obtain information on the transgene expression plasmid. MJFF negotiates licensing and Charles River coordinates shipment.



PI ships plasmid to Charles River. Charles River packages plasmid into viral capsids and generates small batch of virus.



Small batch virus is sent for QC in the lab of the depositing investigator or another expert lab (costs covered by MJFF).



If small batch passes QC, Charles River produces large batch for distribution. Samples are again sent to an external lab for QC.



If passes QC, Charles River builds a product page. The page includes information on the titer, QC, and publications.



The plasmid is listed as available for researchers to access.

### HOW TO ADD YOUR VIRAL VECTOR TO THE REPOSITORY

**For ASAP-funded tools:** Please complete the ASAP Tool Submission form. A link to the form is [here](#) and in the “MJFF Sponsored Tools Program” section of the Discover ASAP page on the Hub.

**For non-ASAP-funded tools:** Please email [tools@michaeljfox.org](mailto:tools@michaeljfox.org). Provide the name of the lab that developed the viral vector, a brief description of the tool and comment on how this will accelerate research.

### PROGRAM BENEFITS

Depositing your viral vector in the MJFF repository provides the benefits of:

- **Reducing costs** associated with producing virus for collaborators
- **Reducing time wasted** on fielding requests, processing MTAs, and shipping aliquots
- **Increased visibility** of your viral vector as researchers find it on the MJFF Tools Catalog and repository website
- **Crowd sourcing additional characterization** of the viral vector through broad community access
- **Timely availability** of the viral vector post-publication when the viral vector is shared in advance and kept in a private collection until publication.

These benefits are all gained while retaining ownership of the viral vector and the right to license directly to collaborators.

