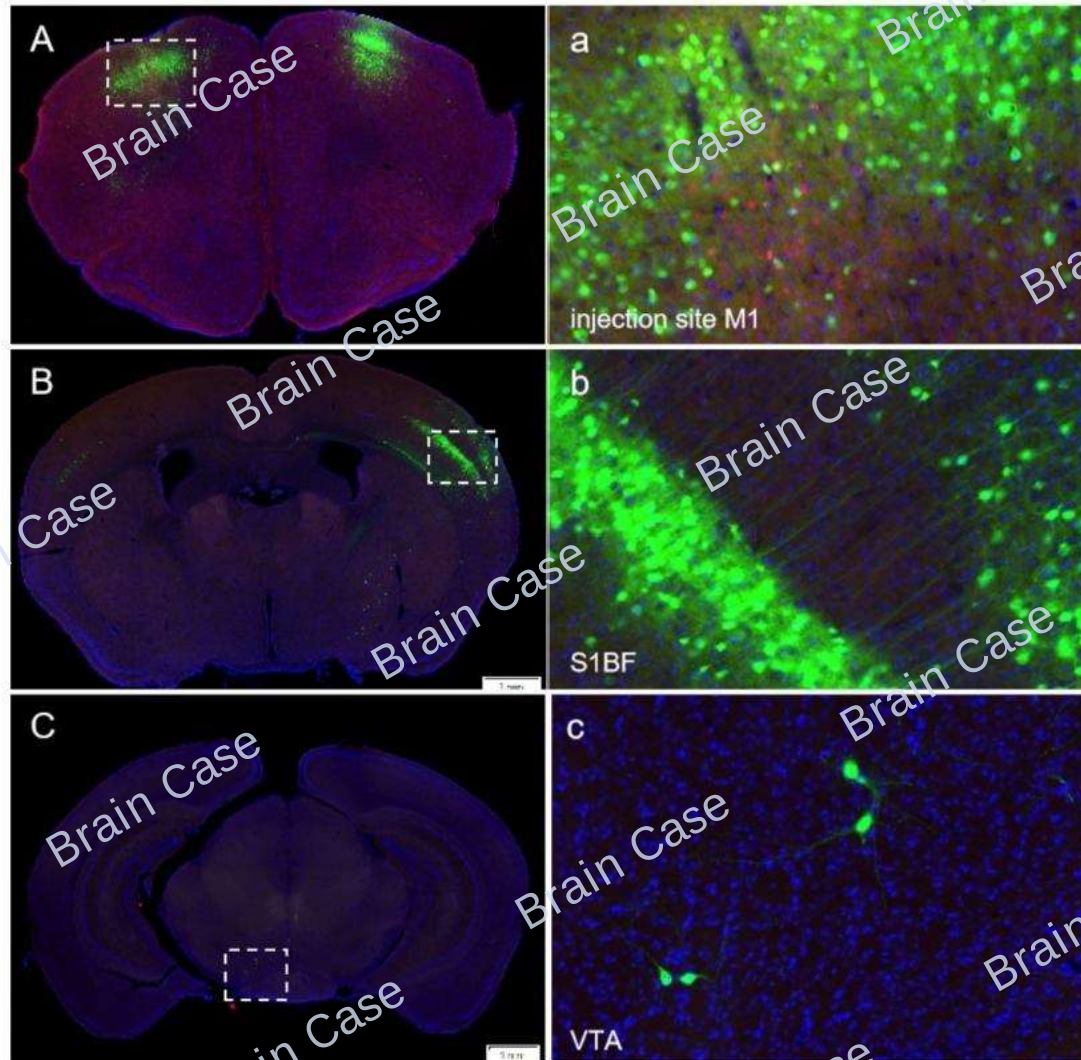


Test Report for BC-RV-CVS EnvA461

1. Test Report Information

Product Information			
Product Name:	CVS-EnvA-△G-EGFP	Product Number :	BC-RV-CVS EnvA461
Batch Number:	BC-RV240402	Titer:	RV:2.00E+08 IFU/mL
Helper Virus Information			
Virus 1	rAAV-EF1 α -DIO-mCherry-F2A-TVA	Product Number :	BC-0061
Batch Number:	BC230825-0061-9 (diluted)	Titer:	AAV:7.9E+11 vg/mL
Virus 2	rAAV-EF1 α -DIO-N2cG	Product Number :	BC-0442
Batch Number:	BC240202-0442-9 (diluted)	Titer:	AAV:2.02E+12 vg/mL
Virus 3	rAAV-hSyn-SV40 NLS-Cre	Product Number :	BC-0159
Batch Number:	BC231110-0159-9 (diluted)	Titer:	AAV:3.03E+11 vg/mL
Test Methodology			
Test Site:	Primary Motor Cortex (M1), AP=+1.54, ML=+1.60, DV=-1.60	Animal Species:	C57 BL/6 mouse
Test Methods:	Day0	TVA:G:Cre were mixed at a ratio of 1:2:1 and injected at 100 nl per animal.	
	Day14	BC-RV-CVS EnvA462 was injected into M1 at 150 nl per animal.	
	Day21	Mice sacrificed, tissue samples collected.	
Injection Date:	2024.05.17	Perfusion Date:	2024.06.07

2. Test Results



3. Results Evaluation

The RV helper viruses (TVA:G:Cre = 1:2:1) were injected into the primary motor cortex (M1). After a 14-day expression period, RV was injected at the same site. The animals were then maintained under standard housing conditions for an additional 7 days before being perfused for tissue collection. Brain tissues were subsequently fixed, sectioned, and imaged.



Strong green fluorescence signals were observed in M1, S1BF, VTA, and other brain regions, confirming the effectiveness of the RV-based monosynaptic retrograde tracing strategy.

4. Signatures

Injection Performed by:

李志林

Imaging/Scanning Performed by:

于晓宇

Reviewed by:

李晋