

Test Report for BC-PRV-803 Plus

1. Test Report Information

Product Information			
Product Name:	PRV-CAG-3Ms	Product Number :	BC-PRV-803-Plus
Batch Number:	BC-PRV250421	Titer:	8.75E+09 PFU/mL
Test Methodology			
Test Site:	Ventral posteromedial nucleus (VPM), AP = -1.7, ML = +1.52, DV = -3.35; upper limb muscle		Animal Species: C57 mouse
Test Methods:	Day 0	VPM injection (150 nL per mouse), upper limb muscle injection (2.5μL per mouse)	
	Day 3/6	Tissue samples collected	
Injection Date:	2025. 05. 13	Perfusion Date:	2025. 05. 16/ 2025. 05. 19

2. Test Results

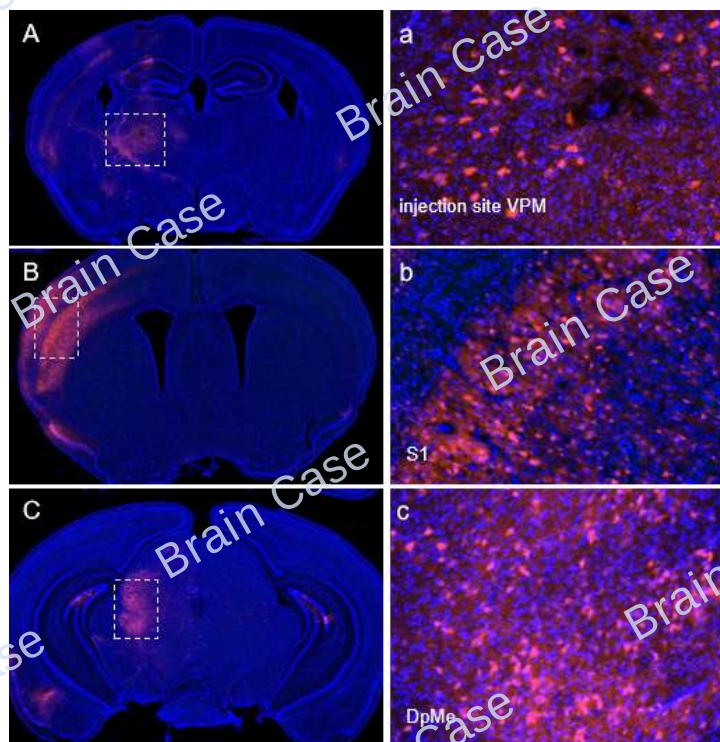


Figure 1

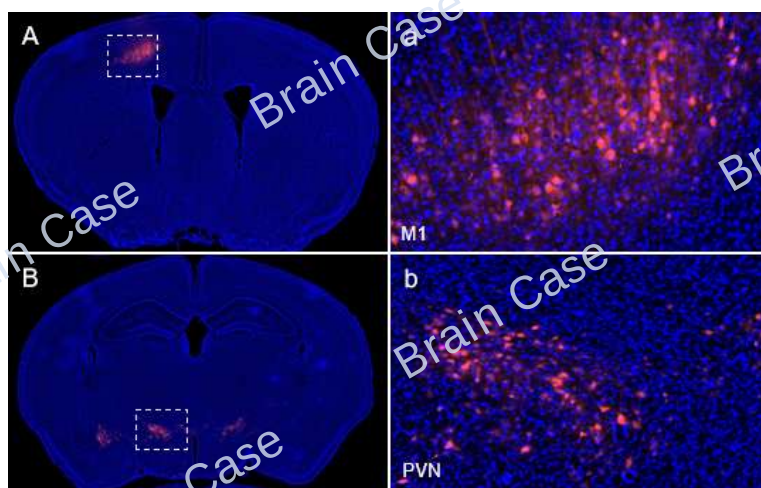


Figure 2

3. Results Evaluation

After injecting 150 nL of BC-PRV-803-Plus into the ventral posteromedial nucleus (VPM) and allowing 3 days of expression, perfusion and tissue collection were performed. As shown in Figure 1, PRV-labeled neurons with strong red fluorescence signals were observed at the injection site as well as in brain regions such as S1 and DpMe.

After injecting 2.5 μ L of BC-PRV-803-Plus into the upper limb muscle and allowing 6 days of expression, perfusion and tissue collection were performed. As shown in Figure 2, PRV-labeled neurons with high fluorescence intensity were observed in regions such as M1 and PVN.

These results indicate that this viral vector is suitable for retrograde, multisynaptic neuronal circuit tracing studies.

4. Signatures

Injection Performed by:

李志林

Imaging/Scanning Performed by:

秦晓玥

Report Prepared by:

秦晓玥