

BC-PRV260106 BC-PRV-801-Plus Test Report

Test Information

Test Virus Information			
Product Name:	PRV-CAG-3Gc	Product Number:	BC-PRV-801-Plus
Batch Number:	BC-PRV260106	Product Titer:	9.50E+09 PFU/mL
Test Protocol			
Test Sites:	<ul style="list-style-type: none"> Ventral Posterior Medial Nucleus (VPM), AP = -1.7, ML = -1.52, DV = -3.35 Upper limb muscle 	Test Animal:	C57 Mouse
Test Procedure	Day0	<ul style="list-style-type: none"> Injection of 150nL BC-PRV260106 into the right VPM Injection of 2.5μL BC-PRV260106 into the right upper limb muscle 	
	Day4	Sampling	
Injection Date:	20260116	Perfusion Dates:	20260119/20260121

Test Results

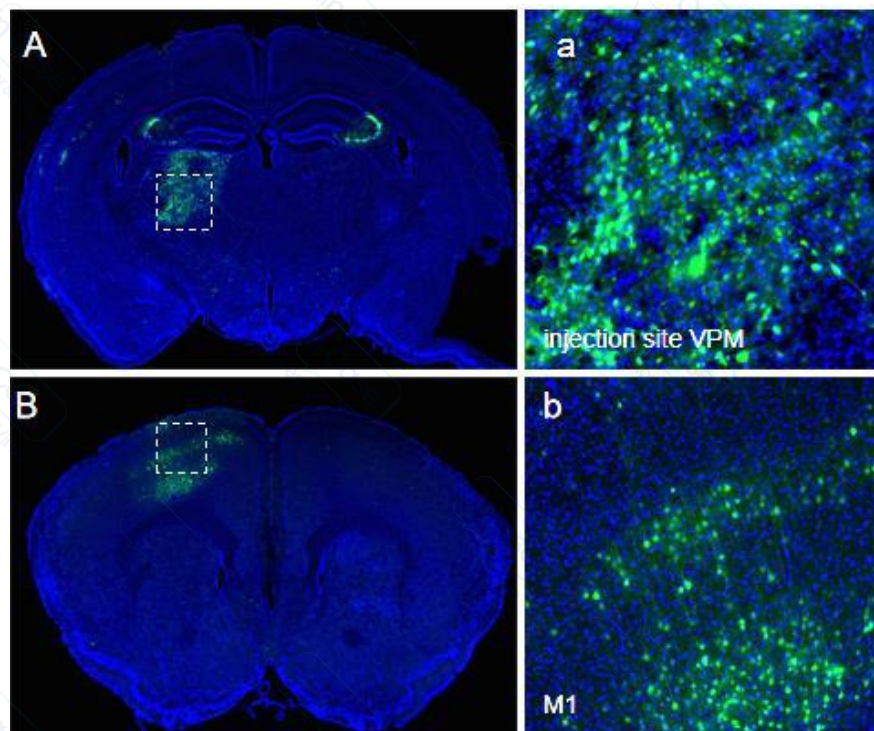


Figure 1: PRV Injection Results in the VPM Brain Region

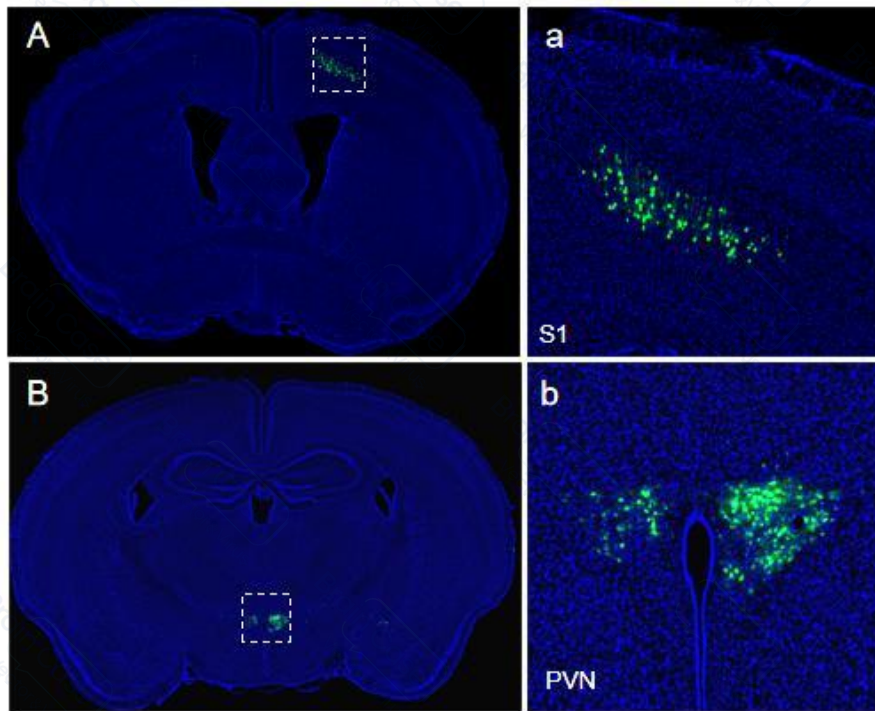


Figure 2: PRV Injection Results in the Upper Limb Muscle

Result Evaluation

After injecting 150nL of BC-PRV260106 into the VPM brain region, and allowing 3 days of expression before performing perfusion sampling, the results, shown in Figure 1, revealed PRV-labeled neurons with green fluorescence signals in both the injection site (VPM) and its upstream brain region (M1).

After injecting 2.5 μ L of BC-PRV260106 into the upper limb muscle and allowing 5 days of expression before performing perfusion sampling, the results, shown in Figure 2, indicated that neurons in multiple brain regions, including M1 and PVN, were labeled by PRV, with strong fluorescence signals. This confirms that the virus is suitable for retrograde multi-level synaptic tracing studies.

Injection:: 莫兰灵 Scanning: 王洋 Report:: 王洋