

Antibody Antigen Bulk reagent for STD Detection

Sexually transmitted diseases (STDs) continue to pose a significant global public health challenge. Cnpair is committed to enhancing blood safety and supporting effective disease control.

HIV



Human Immunodeficiency Virus

✓ High specificity and affinity ✓ Full types coverage

Cnpair's products are designed for both 3rd and 4th generation HIV immunoassays, including reagents for anti-HIV-1/2/O and p24 antigen detection. In BBI seroconversion panel, Cnpair demonstrated 100% concordance with leading global company in CLIA.

Comparison with Company R on BBI Panel

		Cnpair		
		Positive	Negative	Total
Company R	Positive	30	0	30
	Negative	0	30	30
	Total	30	30	60



HBV



Hepatitis B Virus

✓ High sensitivity

✓ Mutant Detection

Cnpair provides HBsAg, HBcAb, HBeAg and HBV Pre-S1, enabling accurate identification of HBV infection. Validated by BBI panels, our reagents demonstrate superior detection sensitivity compared to other companies.

Comparison with International Companies on BBI Panel

	Cnpair	R	A	Ax	T
PHM908(8)	3	3	3	3	3
PHM909(7)	4	3	4	3	3
PHM910(6)	4	4	4	-	4
PHM912(9)	2	2	2	2	2
PHM920(6)	4	4	4	4	4
PHM926(8)	5	5	5	5	5
PHM929(9)	5	5	4	5	-
PHM935B(12)	9	9	9	9	-
Total(65)	36	35	35	-	-

HCV



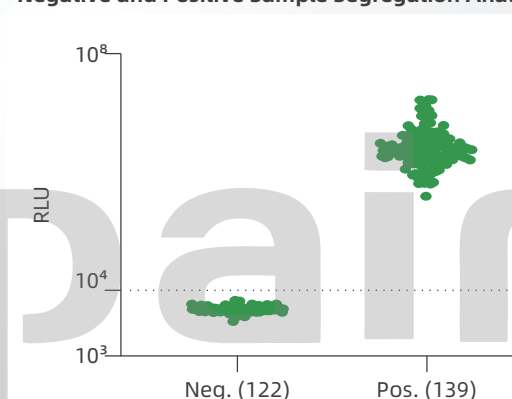
Hepatitis C Virus

✓ Multiple key epitopes

✓ High accuracy

Cnpair provides chimeric and single-fragment HCV antigens, covering multiple key epitopes, enabling clear negative/positive differentiation and improving transition sample detection rate.

Negative and Positive Sample Segregation Analysis



TP



Syphilis

✓ Good stability

✓ Chimeric & single-fragment

Cnpair provides multiple antigen combinations, including chimeric and single fragment antigens (15/17/47KD), with reagent storage stability at 2-8°C for 15 months and a positive signal deviation of $\leq \pm 20\%$.

Reagent Storage Stability at 2-8°C

