

VRapid® Mono M&G

The complete diagnostic tool for infectious mononucleosis

Immunochromatographic test for the qualitative detection of 4 serological markers of Epstein-Barr virus in serum and plasma samples

PRODUCT FEATURES

- **Multitest diagnosis including the 4 main EBV serological markers**

A single product resolves the diagnostic scheme of EBV infectious mononucleosis (PB HA, VCA IgM, VCA IgG and EBNA IgG)

- **Rapid detection**

Results in 20 minutes to quickly rule out other diseases that should be treated or thoroughly investigated

- **High sensitivity regardless of patient's age**

Superior performance compared to other commercially available rapid tests



Ref. VR001 25 tests

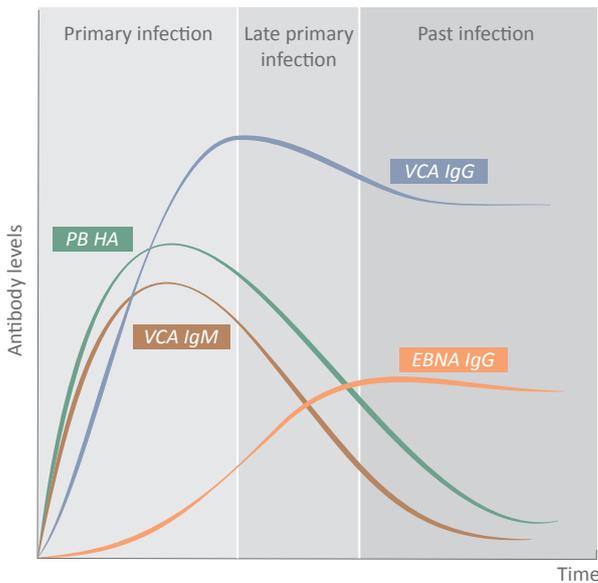
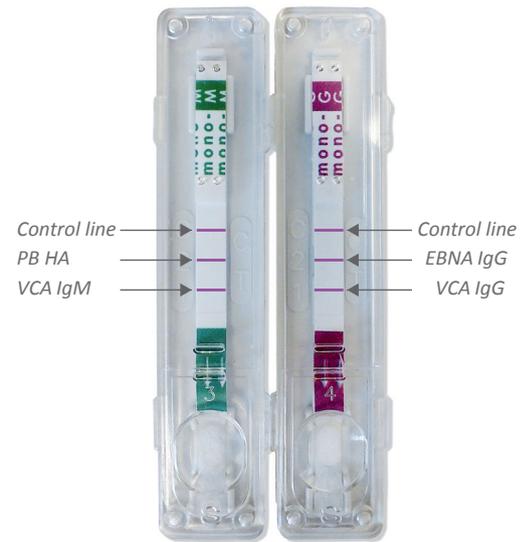


Multitest detection of the 4 main serological markers of EBV

The rapid slide test for Paul and Bunnell heterophile antibodies (PB HA) is one of the most common techniques currently utilized by clinical laboratories for the infectious mononucleosis diagnosis. However, the immune response to the main serological markers of the disease can vary, depending on the age of the patient.

PB HA has shown to be an inconclusive detection tool mainly in children under 4 years old. Other serological markers, such as IgG and IgM antibodies against VCA and IgG antibodies against EBNA, would be required to confirm the diagnosis of infectious mononucleosis and to determine the disease phase (Sumaya, C.V. *et al.* 1985).

VIRapid® MONO M&G provides a rapid multitest detection of the main serological markers to diagnose EBV-infectious mononucleosis, regardless of the patient's age. Moreover, it helps to determine the phase of the disease (recent, late primary or past infection) and allows the ruling out of other serious illnesses with similar symptoms.



Interpretation of results

Anti-EBV antibodies				Condition	Interpretation
PB HA	VCA-IgM	VCA-IgG	EBNA-IgG		
-	-	-	-	No infection	No contact with EBV.
+/-*	+	+/-	-	Recent infection**	*Children younger than 4 years old and 20% of adults do not develop heterophile antibodies. **In the case of getting only the VCA-M positive, it is recommended to analyze a second sample in 1-2 weeks.
+/-	+	+	+	Late primary infection	It is a past infection with IgM levels still detectable.
-	-	+	+/-***	Past infection	***When EBNA-G is positive, it corresponds to a latent past infection without evidence of recent infection. When EBNA-G appears negative, it may be an EBNA-G false negative result and checking with other techniques is recommended.

High sensitivity and specificity for all parameters

VIRapid® Mono M&G has proven excellent performance for all parameters. In an internal evaluation, a large number of samples were assayed against ELISA kits (VCAG, VCAM and EBNA) and commercially available agglutination kits (PB HA).

	Sensitivity (%)	Specificity (%)	Samples tested
VCA M	91	97	197
PB HA	94	99	197
VCA G	92	95	390
EBNA G	91	92	390