

# Hep B Serology Interpretation

Shaira Cohen MSN, APRN, FNP-C, CNE

# Hep B Serology Interpretation

Anti-HBc IgM	Anti-HBc IgG	HBsAg (Hep B Antigen)	Anti-HBs (Hep B Antibody)	Interpretation
Positive	Negative	Positive	Negative	<b>Acute HBV infection</b>
Negative	Negative	Positive	Negative	<b>Early acute HBV infection</b>
Negative	Positive	Negative	Positive	<b>Resolved acute HBV infection</b>
Negative	Negative	Negative	Positive	<b>Not infected, prior vaccination for HBV</b>
Negative	Negative	Negative	Negative	<b>Not infected, no prior vaccine</b>
Negative	Positive	Positive	Negative	<b>Chronic HBV infection</b>

*IgM = immediate  
IgG = delayed*

*Antigen = infection  
Antibody = immunity*

# Hep B Serology Interpretation 2

Interpretation & Recommendation	HBsAg	HBsAb	HBcAg
<p><b>Not immune:</b> has not been infected but is still at risk for possible future infection.</p> <ul style="list-style-type: none"> <li>Needs protection.</li> <li>Give Hep B vaccine.</li> </ul>	Negative	Negative	Negative
<p><b>Immune Controlled-protected:</b> surface antibodies present due to a natural infection.</p> <ul style="list-style-type: none"> <li>Has recovered from a prior hep B infection.</li> <li>Cannot infect others.</li> <li>Do nothing.</li> </ul>	Negative	Positive	Positive
<p><b>Immune:</b> may have already been vaccinated.</p> <ul style="list-style-type: none"> <li>Cannot infect others.</li> <li>Do nothing.</li> </ul>	Negative	Positive	Negative
<p><b>Hepatitis B infection:</b> positive surface antigen = hepatitis B virus is present.</p> <ul style="list-style-type: none"> <li>Can spread the virus.</li> <li>Give Hep b vaccine</li> <li>Treat infection with IVIG.</li> </ul>	Positive	Negative	Positive

# The End

---

Visit us at [www.thecohenreview.com](http://www.thecohenreview.com)



[linktr.ee/cohenreview](https://linktr.ee/cohenreview)

[support@thecohenreview.com](mailto:support@thecohenreview.com)