

HBV Seroconversion Panel

REF Catalogue No: SCP-HBV-006

Old Catalogue No: RP-037

The Biomex GmbH HBV Seroconversion Panel consists of 4 members with each member containing 0.5 mL of human plasma. This panel depicts the onset and decline of immune system response to HBV from one individual over a period of 22 days.

1. Intended Use

This Seroconversion Panel (SCP) is intended for standard testing by diagnostic manufacturers and researchers during assay development, evaluation, troubleshooting and post-marked surveillance of HBV test systems and methods. Moreover, it serves as validation tool for diagnostic sensitivity, determination of analytical sensitivity, identification of cut-off values or to study the humoral immune response to this infection.

2. Storage and Stability

Store the SCP at -20°C to -80°C. Thaw samples at room temperature and mix gently by inversion before usage. Avoid foaming, contamination and repeated freeze and thaw cycles. After usage, return immediately to storage conditions.

3. Warnings and Precautions

Potentially infectious materials. Handle the product as if capable of transmitting infectious diseases. Do not pipette by mouth.

Prevention:

P264: Wash hands thoroughly after handling.

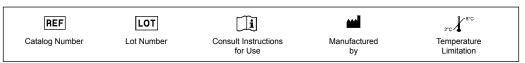
P270: Do not eat, drink or smoke when using this product

P273: Avoid the release to the environment

Disposal:

P501: Dispose of waste in accordance to applicable local or national regulations. Waste must be disposed in a secured manner.

Declaration of used symbols



4. Donor Information

All panel members have been tested and found negative/non-reactive for anti-HIV, HIV 1 Ag, anti-HCV and Syphilis with FDA approved tests.

Donor profile

Sex: Male

• Age: 38

Ethnicity: African/American
Residence: U.S. South West

Medical background

- · Mononucleosis, Syphilis
- · No history of Hemophylia
- · No history of alcohol or drug abuse
- · No history of heart disease
- No history of Hepatitis A and C, Toxoplasmosis, Lupus, Herpes
- · In general good health

5. Detection Methods

Each panel member is assayed for HBsAg, anti-HBs, anti-HBc, anti-HBc IgM, HBeAg and anti-HBe antibodies with Abbott ARCHITECT®. Testing is performed with CE marked test.

6. Limitations and Restrictions

This panel is for Research Use Only and not intended for human or animal diagnostics, or for therapeutic purposes. Each laboratory has the responsibility to ascertain the suitability of the SCP for its particular application and to establish their own guidelines for interpretation of results. Data is provided for informational purposes only. The Biomex GmbH does not claim that others can duplicate these test results exactly.



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Panel	Day	Bleed date	Abbott Architect	Abbott Architect	Abbott Architect	Abbott Architect	Abbott Architect	Abbott Architect
Member			HBsAg qualitative II	Anti-HBs mIU/mL	Anti-HBc II S/CO	Anti-HBc IgM S/CO	Anti-HBe S/CO	HBeAg S/CO
			S/CO					
			cut off 1.0 S/CO	cut off 10 mIU/mL	cut off 1.0 S/CO	cut off 1.0 S/CO	cut off 1.0 S/CO (competitive)	cut off 1.0 S/CO
1	0	02.09.1998	1.01	0.26	0.84	0.04	2.21	0.328
2	13	15.09.1998	5.79	0.00	0.90	0.03	2.18	0.315
3	15	17.09.1998	8.66	0.00	0.70	0.03	2.21	0.294
4	22	24.09.1998	49.22	0.00	0.86	0.03	2.09	0.357

Assay information:

Abbott Architect HBsAg qualitative II assay; Lot: 57152LH00; Exp. Date: 18.09.2016; Test Date: 04.12.2015 Abbott Architect Anti-HBs assay; Lot: 56237LH00; Exp. Date: 21.08.2016; Test Date: 04.12.2015 Abbott Architect Anti- HBc II assay; Lot: 55959LI00; Exp. Date: 28.07.2016; Test Date: 04.12.2015 Abbott Architect Anti-HBc IgM assay; Lot: 56556LI00; Exp. Date: 20.08.2016; Test Date: 04.12.2015 Abbott Architect Anti-HBe assay; Lot: 58201LI00; Exp. Date: 14.09.2016; Test Date: 04.12.2015 Abbott Architect HBeAg assay; Lot: 58368LI00; Exp. Date: 22.09.2016; Test Date: 04.12.2015

