

# HBV Seroconversion Panel

**REF** Catalogue No: SCP-HBV-002

Old Catalogue No: RP-016

The Biomex GmbH HBV Seroconversion Panel consists of 20 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 157 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

Catalog Number	Lot Number	Consult Instructions for Use	Manufactured by	Temperature Limitation

## 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: 28
- Ethnicity: Caucasian
- Residence: U.S. South West

### Medical background

- No history of alcohol abuse
- Asymptomatic course of infection
- Heterosexual, monogamous
- No history of IV drug use
- No history of incarceration
- No dramatic weight loss
- No history of allergic reactions
- No medications (prescribed or OTC)
- No history of blood transfusions
- No history of overseas travel
- No recent dental work
- 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 Member	Day	Bleed date	Abbott Architect HBsAg qualitative II S/CO cut off 1.0 S/CO	Abbott Architect Anti-HBs mIU/mL cut off 10 mIU/mL	Abbott Architect Anti-HBc II S/CO cut off 1.0 S/CO	Abbott Architect Anti-HBc IgM S/CO cut off 1.0 S/CO	Abbott Architect Anti-HBe S/CO cut off 1.0 S/CO (competitive)	Abbott Architect HBeAg S/CO cut off 1.0 S/CO
1	1	17.07.1996	0.47	0.65	0.31	0.06	2.28	0.342
2	8	24.07.1996	0.80	0.83	0.34	0.05	2.13	0.325
3	10	26.07.1996	0.80	0.13	0.34	0.07	2.23	0.328
4	17	02.08.1996	2.33	0.00	0.25	0.07	2.31	0.349
5	23	08.08.1996	11.29	0.00	0.23	0.06	2.32	0.350
6	25	10.08.1996	13.57	0.00	0.19	0.04	2.10	0.420
7	57	11.09.1996	2973.04	0.00	1.60	0.40	3.52	26.648
8	60	14.09.1996	2018.10	0.00	5.70	4.09	1.81	5.288
9	74	28.09.1996	0.29	1.97	7.54	10.24	0.30	0.336
10	79	03.10.1996	0.27	7.63	8.12	11.08	0.21	0.312
11	81	05.10.1996	0.23	8.35	7.62	7.96	0.34	0.324
12	88	12.10.1996	0.30	18.09	8.02	6.15	0.11	0.294
13	107	31.10.1996	0.30	106.59	8.52	4.08	0.05	0.280
14	109	02.11.1996	0.32	105.96	8.26	3.02	0.05	0.303
15	114	07.11.1996	0.27	144.74	8.69	2.67	0.05	0.308
16	116	09.11.1996	0.27	148.86	8.82	2.24	0.06	0.279
17	121	14.11.1996	0.22	201.54	8.85	2.17	0.05	0.326
18	123	16.11.1996	0.26	203.01	8.74	1.85	0.06	0.282
19	128	21.11.1996	0.31	264.64	9.21	1.97	0.07	0.321
20	157	20.12.1996	0.25	700.85	9.42	2.25	0.03	0.298

**Assay information:**

Abbott Architect HBsAg qualitative II assay; Lot: 57152LH00; Exp. Date: 18.09.2016; Test Date: 27.11.2015

Abbott Architect Anti-HBs assay; Lot: 52248LF00; Exp. Date: 15.04.2016; Test Date: 27.11.2015

Abbott Architect Anti- HBc II assay; Lot: 52184LI00; Exp. Date: 14.04.2016; Test Date: 27.11.2015

Abbott Architect Anti-HBc IgM assay; Lot: 56556LI00; Exp. Date: 20.08.2016; Test Date: 27.11.2015

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

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