




## Product Sheet

# AM6 [EC-AM6, pAM6] purified plasmid DNA (ATCC® 45020D™)


## Hepatitis B virus

### Please read this FIRST



Storage Temp.  
**Store unopened  
vial at 4°C or  
colder**

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Biosafety Level  
**2**

### Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

### Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Hepatitis B virus* (ATCC® 45020D™)

### Shipping Information

200 ng dried purified DNA

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

Full length hepatitis B virus genomic DNA in pBR322 plasmid. Purified plasmid DNA (200 ng, dried).

Restriction digests of the clone give the following sizes (kb): BamHI--4.4, 1.85, 1.35; EcoRI--7.5; BgIII/PstI--5.2, 1.35, 0.96. AM6 is available as ATCC 39630, 40101, 45020 and 45020D.

- ATCC staff

The virus was isolated from plasma (subtype adw) from an HBsAg-positive donor. DNA was extracted from purified Dane particles.

- personal communication

AM6 is available at ATCC 39630, 40101 and 45020. The 1350 bp BamHI fragment encodes both group and subtype-specific determinants of HBsAg.

The complete viral genome was linearized with BamHI and inserted into pBR322.

- U.S. Pat. 4,942,125 dated July 17, 1990

A BamHI digest cuts the insert into fragments of 1.85 kb and 1.35 kb. The 1.35 kb fragment contains coding sequences for HBsAg and most of region P. The 1.85 kb fragment encodes HbcAg and most of the X gene product.

- U.S. Pat. 4,942,125 dated July 17, 1990

The 1350 bp BamHI fragment encodes both group and subtype-specific determinants of HBsAg.

- Proc. Natl. Acad. Sci. USA 78: 2606-2610, 1981

**Designation:** AM6 [EC-AM6, pAM6] purified plasmid DNA

## Insert Information

**Genome:** hepatitis B virus

**Gene name:** genome, full-length

**Strain:** serotype adw

**Type of DNA:** genomic

**Insert end:** BamHI

**Insert end:** BamHI

**Insert size (kb):** 3.2

## Vector Information

**Construct size (kb):** 7.5

**Marker:** ampR

**Name of vector:** pBR322

**Intact vector size:** 4.363

**Type of vector:** plasmid

**Vector ends:** BamHI

**Host range:** *Escherichia coli*

**Vector cross reference:** DNA Seq. Acc.: J01749

## References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

## Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S.

Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

## ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media



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The graphic is a black rectangle with white text and icons. At the top left is a white icon of a vial with a stopper. To its right, the text reads: "Storage Temp. Store unopened vial at 4°C or colder". Below this is a horizontal dashed line. At the bottom left is a white biohazard symbol. To its right, the text reads: "Biosafety Level 2".

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may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

#### Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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