# BIO-PROBE® JC virus probe

The JC Virus BIO-PROBE® labeled probe is prepared by nick translation of a clone of the entire JC virus genome. JC virus, a member of the papovavirus family, usually causes subclinical infections. However, in immunocompromised individuals it can cause a fatal demyelinating brain disease, progressive multifocal leukoencephalopathy. JC virus is also neurooncogenic in primates. Fragment size range: 100-1000 base pairs (as estimated by agarose gel electrophoresis).

**Citations:** 10 View Online »

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| | |
|---|---|
| **ENZ-40847** | 2µg |

## Manuals, SDS & CofA View Online »

## Handling & Storage

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|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. Stable for one year after receipt when stored as recommended. |
| **Long Term Storage** | -20°C |
| **Shipping** | Dry Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

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| **Application Notes** | The JC Virus BIO-PROBE® labeled probe can be used in a variety of hybridization techniques, including Southern blots, Northern blots or dot blots, at a concentration of approximately 50ng/ml. The probe can also be used for *in situ* hybridization applications at concentrations of approximately 0.5 to 5µg/ml. Biotinylated probes have been shown to hybridize to homologous DNA at the same rate and to the same extent as non-biotinylated probes.The hybridized biotinylated DNA probe can be detected by its interaction with biotin-binding proteins, such as avidin, streptavidin or antibodies coupled to fluorescent dyes or color producing enzymes. Complete kits and protocols are available for *in situ* hybridization and detection procedures (compatible with Enzo's POLYVIEW® PLUS and SAVIEW® PLUS detection systems for IHC). |
| **Concentration** | 20µg/ml |
| **Formulation** | Liquid. In 10mM TRIS HCl, pH 7.5, containing 1mM EDTA. |
| **Technical Info / Product Notes** | BIO-PROBE® is a trademark of Enzo Life Sciences, Inc. Several of Enzo's products and product applications are covered by US and foreign patents and patents pending. |

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