

PEI Reference Preparation HCV RNA (#3443/04)

Each vial contains 0.5 ml of lyophilized human Hepatitis C Virus positive plasma from genotype 1.

The reference preparation is intended to be used by NAT assays for the detection of HCV RNA in human plasma samples.

RECONSTITUTION

Before reconstitution the vial should be allowed to equilibrate to ambient temperature.

Each vial should be reconstituted in **0.5 ml of sterile nuclease-free water** and left for a minimum of 10 minutes with occasional agitation before use.

The reconstituted preparation has been assigned a HCV RNA concentration of

80,000 IU/ml (International Units/ml)

STORAGE

The material is supplied lyophilized and should be stored at or below -20°C.

For the preparation of e.g. "Run Controls" dilute the reconstituted material in HCV-negative human plasma or pooled human plasma and store aliquots at or below -70°C.

DETAILED INFORMATION

The reference standard was prepared from human plasma of an HCV genotype 1 positive and anti-HCV negative carrier.

The material was diluted in HBV-, HCV-, HIV-1-, Parvovirus B19- and HAV-negative pooled human plasma and lyophilized in 0.5 ml aliquots.

The PEI Reference Preparation HCV RNA (#3443/04) was calibrated against the WHO International Standard for HCV RNA, NIBSC code 96/790 (genotype 1; Saldanha et al. (1999). Vox Sang 76:149-158) using four different quantitative NAT assays.

These calibrations resulted in an assigned HCV RNA concentration of **80,000 IU / ml** for the PEI Reference Preparation.

The exact conversion factor IU to “copies” is NAT assay specific. On average 1 IU corresponds to 2 - 6 copies.

SAFETY INFORMATION

This preparation contains material of human origin, and contains potentially infectious HCV. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used only by trained personal and discarded according to the national laboratory's safety procedures.

ORDERING AND SHIPMENT INFORMATION

The PEI Reference Preparation HCV RNA (#3443/04) can be ordered by **email** (referenzmaterial@pei.de), using the PEI Order Form available from the PEI website:

www.pei.de/pei-reference-material

There is a fee of 20 € per vial, and 15 € for packaging (maximum of 20 vials per box).

If you have any questions, please do not hesitate to contact us:

Email: referenzmaterial@pei.de