

研究業績 英文表記

和文	
表題	日本におけるヒト T 細胞白血病ウイルス 1 型定量 PCR の標準検査法の開発
著者名	Kuramitsu M, Okuma K, Nakashima M, Sato T, Sasaki D, Hasegawa H, Umeki K, Kubota R, Sasada K, Sobata R, Matsumoto C, Kaneko N, Tezuka K, Matsuoka S, Utsunomiya A, Koh KR, Ogata M, Ishitsuka K, Taki M, Nosaka K, Uchimarui K, Iwanaga M, Sagara Y, Yamano Y, Okayama A, Miura K, Satake M, Saito S, Watanabe T, Hamaguchi I.
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英文	

Title	Development of reference material with assigned value for human T-cell leukemia virus type 1 quantitative PCR in Japan.
Author	Kuramitsu M, Okuma K, Nakashima M, Sato T, Sasaki D, Hasegawa H, Umeki K, Kubota R, Sasada K, Sobata R, Matsumoto C, Kaneko N, Tezuka K, Matsuoka S, Utsunomiya A, Koh KR, Ogata M, Ishitsuka K, Taki M, Nosaka K, Uchimaru K, Iwanaga M, Sagara Y, Yamano Y, Okayama A, Miura K, Satake M, Saito S, Watanabe T, Hamaguchi I.
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Abstract	Quantitative PCR (qPCR) of human T-cell leukemia virus type 1 (HTLV-1) provirus is used for HTLV-1 testing and for assessment of risk of HTLV-1-related diseases. In this study, a reference material was developed for standardizing HTLV-1 qPCR. Freeze-dried TL-Om1 cells diluted with Jurkat cells were prepared and an assigned value for proviral load (PVL) of 2.71 copies/100 cells was determined by digital PCR. Nine Japanese laboratories using their own methods evaluated the PVLs of this reference material as 1.08-3.49 copies/100 cells. The maximum difference between laboratories was 3.2-fold. Correcting measured PVLs by using a formula incorporating the assigned value of this reference material should minimize such discrepancies.
keyword	Human T-cell leukemia virus type 1; proviral load; quantitative PCR; standard.

※本データの英文表記は実際の論文上の表記とは異なります。