

() :

WHO (Polio free)

Acute Flaccid Paralysis (AFP)

() AFP

(AFP

AFP

WHO

AFP

—

L20 Hep2 RD

(Reverse Transcription-Polymerase Chain Reaction)

RD,L20,Hep2 AFP :

(Neutralization Test)

()

Pan-Ev RT-PCR

RD :

RD RT-PCR

% RT-PCR

AFP RT-PCR

%

AFP %

() () :

— / / / :

Pallenseh)

(et al. 2001; Schweighardt et al. 2001

CNS

(Rotbart et al. 2000)

(Retrograde axonal flow)

CNS

(CNS)

% /

(Pallenseh et al. 2001)

(Pallenseh et al. 2001)

Pallenseh et al. 2001; Schweighardt et al.)

(2001

Pallenseh et al.)

(2001

(Dowdle et al. 2003)

(Minor viremia)

)

CNS . (

CNS

AFP

(Major viremia)

PBS

AFP

RD,L20,Hep2

()

(Gold Standard)

(invert)

(CPE)

()

(A

Rotbart et al. 2000; Santos)

: NT

(et al. 2003

TCID50

CPE

RT-PCR

% %

NT

RNA.

RT-PCR

RNA

(Rotbart et al. 2000; Santos et al. 2002)

RT-PCR

AFP

IgG

AFP

	(RD)			IgG
Pan-En	RT-PCR			
Pan-				: RT-PCR
		Polio	(Extraction)	AFP
			Pan-En	
(% /)	RT-PCR			RT-PCR ()
				RT-PCR
	()	(%)		() Pan-Polio
AFP				
				(
	(WHO 2004)			:(RD,L20,Hep2)
		AFP		,AFP
AFP				(Hep2,RD,L20)
			RD	
		AFP	()	Hep2 L20
	AFP		RD	
			L20	Hep2
	AFP			
) AFP			()
		((
		Hep2, L20, RD		: RT-PCR
	(% /)			(Extraction)
RD			Pan-En	RT-PCR
		(%)		

(Reynolds et al. 2001)

L20 Hep2 ,RD

AFP

L20

%

AFP

•(Santos et al. 2002)

RT-PCR

AFP

RT-PCR

AFP

A

Nadkarni)

(RD)

.(et al. 2003

RD

L20

(% /)

RT-PCR

RT-

(% /)

L20 RD

Hep2

(%)

PCR

RT-PCR

Hep2

RT-PCR

RT-PCR

%

Rotbart et al.1997; Romero)

.(1999; Santos et al. 2002

RD

(WHO)

RT-PCR

L20

% /

Hep2 RD

L20 RD

Gold

RT-PCR

Standard

:

.(Landry et al. 2003; Kessler et al. 1997)

Santos) A
et al. 2002; Ishiko et al. 2002; landry et al.
(Inhibitors) .(2003

, NT

RT-PCR

PCR

()

Pan-Ev

Freeze-thaw

Landry et al.)

.(2003; Kessler et al. 1997

AFP

RT-

RT-

%

PCR

Pan-Ev

PCR

AFP

Pan-polio

(,)

RT-PCR

Chaves et al. 2001; Solomon et al. 2003;)

.(Grimwood et al. 2003

RT-PCR

AFP

()

AFP

Hep2 RD

RT-PCR

Pan-Enterovirus (PanEV)	5'-ACACGGACACCCAAAGTAGTCGGTTCC-3' 5'- TCCGGCCCCTGAATGCGGCTAATCC-3'	114 base pairs
Pan-Poliovirus (Pan PV)	5'-TTIAIIGCRTGICCRTTRTT-3' 5'-CITAITCIMGITYGAYATG-3'	79 base pairs

Chomczynski 1987; WHO Manual

Hep2	L20	RD
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Hep2	L20	RD
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() AFP

RT-PCR

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RT-PCR

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