

Materials List for

Field Postmortem Rabies Rapid Immunochromatographic Diagnostic Test for Resource-Limited Settings with Further Molecular Applications

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Materials

Name	Company	Catalog Number	Comments
Anti-Rabies Nucleocapsid Conjugate (lyophilized, adsorbed)	Bio-Rad, France	3572112	Fluorescein-5-isothiocyanate (FITC) conjugated polyclonal antibody against the nucleocapsid of rabies virus. Use for the DFAT reference technique.
Applied Biosystems 7500 Real-Time PCR System	Applied Biosystems, France	4351104	Amplification of the viral RNA by RT-qPCR after extraction from the RIDT device.
Disposable plastic pipette, drinking straw, clamp, dropper	-	-	Equipment used for the collection of the brain stem (medulla oblongata) via the foramen magnum (occipital route).
Evans Blue Solution 1%	Bio-Rad, France	3574911	Counter-coloration used for the DFAT to facilitate the reading under UV microscope.
Primer eGFPP1	Eurofins Genomics, Germany	-	Forward primer for the amplification of the internal control eGFP by RT-qPCR after RNA extraction from the RIDT device, sequence: 5'-GACCACTACCAGCAGAACAC-3'.
Primer eGFPR2	Eurofins Genomics, Germany	-	Reverse primer for the amplification of the internal control eGFP by RT-qPCR after extraction from the RIDT device, sequence: 5'-GAACTCCAGCAGGACCATG-3'.
Primer Taq17 revlong	Eurofins Genomics, Germany	-	Reverse primer for the amplification of the viral RNA by RT-qPCR after RNA extraction from the RIDT device, sequence: 5'-ATGAGAAGTGG

			AAYAAYCATCA-3'.
Primer Taq3 long	Eurofins Genomics, Germany	-	Forward primer for the amplification of the viral RNA by RT-qPCR after RNA extraction from the RIDT device, sequence: 5'-GATCTGTCTGAA TAATAGAYCCARG-3'.
Probe eGFP FAM/TAMRA	Eurofins Genomics, Germany	-	Forward primer for the amplification of the internal control by RT-qPCR after extraction from the RIDT device, sequence: 5'-AGCACCCAGT CCGCCCTGAGCA-3'.
Probe RABV4 FAM/TAMRA	Eurofins Genomics, Germany	-	Probe for the amplification of the viral RNA by RT-qPCR after RNA extraction from the RIDT device, sequence: 5'-AACACYTGATCBA GKACAGARAAYACATC-3'.
Probe RABV5 FAM/TAMRA	Eurofins Genomics, Germany	-	Probe for the amplification of the viral RNA by RT-qPCR after RNA extraction from the RIDT device, sequence: 5'-AGRGTGTTTTCYAG RACWCAYGAGTTTTTYCA-3'.
Rapid Rabies Ag Test Kit	BioNote Inc., Republic of Korea	RG18-01DD	Rapid immunochromatographic diagnostic test (RIDT, also named lateral flow device or LFD) for the post-mortem diagnosis of rabies.
Recombinant RNasin Ribonuclease Inhibitor	Promega, USA	N2515	Enzyme used with the kit for the amplification of the viral RNA by RT-qPCR after extraction from the RIDT device.
SuperScript III Platinum One-Step qRT-PCR Kit	Invitrogen, France	11732-020	Kit for the amplification of the viral RNA by RT-qPCR after extraction from the RIDT device.
TRIzol Reagent	Invitrogen, France	15596026	Phenol/chloroforme based total RNA extraction using the cellulose membrane of the RIDT.