

European Union
Reference Laboratory for Rabies

European Union
Reference Institute for Rabies Serology

WHO Collaborating Centre
for Research and Management
in Zoonoses Control

OIE
Reference Laboratory
for Rabies



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Internet EURL web site: <http://www.ansespro.fr/eurl-rabies/>

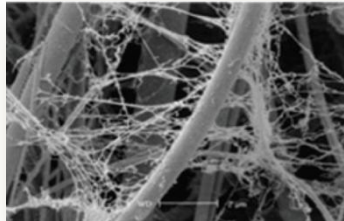
USE OF FTA[®] PAPER

Fast Technology for Analysis paper

TECHNICAL protocol

What is FTA® Paper?

« The filter paper matrix of the FTA® Gene Guard 42 system is impregnated with a chaotropic agent that denatures infectious micro-organisms. Proprietary chemicals impregnated into the paper lyse cellular material and fix and preserve DNA and RNA within the fibrematrix (Whatman, 2006a*), hence samples are no longer considered infectious. This allows the storage and transport of samples without specific biohazard precautions ».



* Fibrematrix with DNA molecules scotched

For more information:

<http://www.whatman.com/FTANucleicAcidCollectionStorageandPurification.asmx>

Picard-Meyer E, Barrat J, Cliquet F: Use of filter paper (FTA) technology for sampling, recovery and molecular characterisation of rabies virus. J Virol Methods 2007, 140:174-182

TECHNICAL protocol

CAUTION: HANDLE WITH GLOVES

1. Place the FTA® Card on a clean, dry, flat surface. Identify the FTA® Card with a unique name, number, etc.
2. Pipet 25µl of biological sample to type (rabies virus suspension: supernatant of 10% brain homogenate, rabies virus grown in cell culture medium, etc...)
3. Carefully lift the paper cover of the FTA® Card to expose the white sample area. Apply the volume of 25µl within the sample circle area.
4. Let the FTA® card opened for drying for at least 1 hour at room temperature.
5. If samples are to be applied to more than one FTA® sample area, use a new tip for each new card and repeat steps 1-4.
6. When the FTA® card is dry, put FTA® paper with a 1mg desiccant packet in an envelope and send it without any specific precautions

