

Materials List for:

Detection of Viral RNA by Fluorescence *in situ* Hybridization (FISH)

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Materials

Name	Company	Catalog Number	Comments
18mm coverslips	VWR international	48380 046	
16% paraformaldehyde	Polysciences, Inc.	18814	Dilute to 4% (wt/vol) in 1X DPBS
Triton-X	OmniPur, EMD Millipore	9400	
Micro Elute Gel Extraction Kit	Roche Group	D6294-02	
DIG RNA Labelling Mix	Roche Group	11277073910	
Transcription T7 RNA Polymerase	Invitrogen	18033-019	
Quick Spin Columns	Roche Group	11814427001	
DNase I	Invitrogen	18047-019	
1X DPBS	GIBCO, by Life Technologies	14190-250	
Formamide	EMD Millipore	FX0420-8	
tRNA	Invitrogen	15401-021	
RNase OUT	Invitrogen	10777-019	
Fluorescent Antibody Enhancer Set for DIG Detection #4 (blocking solution)	Roche Group	1768506	
Alexa Fluor secondary antibodies	Invitrogen	See Table 2	
Hybridization Oven	Boekel Scientific	Model 24100	
Microslides	VWR international	48300-047	
Immunomount	Thermo Fisher Scientific, Inc.	9990402	

Table 1. Identification of specific reagents and equipment

Species of anti-DIG antibody (dilution; company, catalogue number)	Colours	Alexa Fluor used (1:500)
Mouse (1:500;Sigma, B7405)	green	Alexa Fluor 488 donkey anti-mouse (Invitrogen, A21202)
	red	Alexa Fluor 594 donkey anti-mouse (Invitrogen, A21203)
	blue	Alexa Fluor 647 donkey anti-mouse (Invitrogen, A31571)
Sheep (1:200;Roche, 11376623)	green	Alexa Fluor 488 donkey anti-sheep (Invitrogen, A11015)
	red	Alexa Fluor 594 donkey anti-sheep (Invitrogen, A11016)
	blue	Alexa Fluor 647 donkey anti-sheep (Invitrogen, A21448)

Table 2. Combinations of secondary antibodies and anti-DIG listed with catalogue numbers and concentrations