

Materials List for:

# Visualization of Microbiota in Tick Guts by Whole-mount *In Situ* Hybridization

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## Materials

Name	Company	Catalog Number	Comments
Sefar NITEX Nylon Mesh, 110 micron	Amazon	03-110/47	
pGEM-T Easy Vector System	Promega	A1360	
Digoxigenin-11-UTP	Roche	1209256910	
dNTP	New England Biolabs	N0447S	
DNase I(RNase-free)	New England Biolabs	M0303S	
HiScribe SP6 RNA synthesis kit	New England Biolabs	E2070S	
HiScribe T7 High Yield RNA Synthesis Kit	New England Biolabs	E2040S	
Water, RNase-free, DEPC-treated	American Bioanalytical	AB02128-00500	
EDTA, 0.5M, pH 8.0	American Bioanalytical	AB00502-01000	
Formaldehyde, 37%	JT Baker	2106-01	
Formamide	American Bioanalytical	AB00600-00500	
EGTA	Sigma Aldrich	E-4378	
DPBS, 10X	Gibco	14300-075	
Tween-20	Sigma Aldrich	P1379-25ML	
Proteinase K	Sigma Aldrich	3115879001	
Triethanolamine HCl	Sigma Aldrich	T1502-100G	
Acetic anhydride	Sigma Aldrich	320102-100ML	
Paraformaldehyde	ThermoScientific/Pierce	28906	
SSC, 20X	American Bioanalytical	AB13156-01000	
RNA from torula yeast	Sigma Aldrich	R3629-5G	
Heparin, sodium salt	Sigma Aldrich	H3393-10KU	
Denhardt's Solution, 50X	Sigma Aldrich	D2532-5ML	
CHAPS hydrate	Sigma Aldrich	C3023-1G	
RNase A	Sigma Aldrich	10109142001	
RNase T1	ThermoScientific	EN0541	
Maleic acid	Sigma Aldrich	M0375-100G	
Blocking reagent	Sigma Aldrich	11096176001	
Anti-Digoxigenin-AP, Fab fragments	Sigma Aldrich	11093274910	
Levamisol hydrochloride	Sigma Aldrich	31742-250MG	
Chromogenic substrate for alkaline phosphatase	Sigma Aldrich	11442074001	
Bouin's solution	Sigma Aldrich	HT10132-1L	

Hydrogen peroxide	Mallinkrodt Baker, Inc	2186-01	
Single stranded RNA ladder	Ambion -Millenium	AM7151	
#11 High-Carbon steel blades	C and A Scientific Premiere	#11-9411	
Thermocycler	BioRad, CA	1851148	
Spectrophotometer	ThermoScientific	NanoDrop 2000C	
Orbital shaker	VWR	DS-500E Digital Orbital shaker	
Shaking water bath	BELLCO Glass, Inc	Hot Shaker-7746-12110	
Gel documentation system	BioRad	Gel Doc XR+ Gel documentation system	
Bright-field Microscope	Nikon	NikonSM2745T	
Bright-field Microscope	Zeiss	AXIO Scope.A1	
Dissection microscope	Zeiss	STEMI 2000-C	
Light box	VWR	102097-658	
PCR purification kit	Qiagen	28104	
Image capture software	Zeiss	Zen lite	
Image editing software	Adobe	Adobe Photoshop CS4 version 11.0	
Image analysis software	National Institutes of Health	ImageJ-NIH /imagej.nih.gov/ij/	
Automation compatible instrumentation	Intavis Bioanalytical Instruments, Tubingen, Germany).	Intavis, Biolane HT1.16v	