

Materials List for:

In situ protocol for butterfly pupal wings using riboprobes

Diane Ramos¹, Antonia Monteiro²

¹Department of Biological Sciences, SUNY-University at Buffalo

²Dept. Ecology and Evolutionary Biology, Yale University

Correspondence to: Diane Ramos at dmsmith2@buffalo.edu, Antonia Monteiro at monteiro@acsu.buffalo.edu

URL: <http://www.jove.com/video/427>

DOI: [doi:10.3791/427](https://doi.org/10.3791/427)

Materials

Name	Type	Company	Catalog Number	Comments
Fix Buffer				4% Paraformaldehyde in PBS
PBT				0.1% Tween 20 in PBS
Proteinase K solution				2.5 ug/ml Proteinase K in PBT
Digestion Stop Buffer				2 mg/ml glycine in PBT
Pre-Hybridization Buffer				For 50 ml PHB: 12 ml DEPC treated water + 25 ml Formamide + 12.5 ml 20 x SSC + 50 ul Tween 20 + 500 ul 10 mg/ml salmon sperm (RNase free, heat denatured prior to addition to solution).
Hybridization Buffer				Add 1 mg/ml glycogen to prehybridization buffer
Block Buffer				50 mM Tris pH 6.8, 150 mM NaCl, 0.5% IGEPAL (NP40), 5 mg/ml BSA
Anti-DIG	Ab	Roche Group	11 093 274 910	Alkaline Phosphatase conjugated
DIG Wash and Block Buffer Set		Roche Group	11 585 762 001	
Crystal Mount Aqueous Mounting Medium		Sigma-Aldrich	C0612	Mounting Medium