




# Preparation for in-situ Hybridization




- Tissue dissection and 4% paraformaldehyde fixation




- OCT-embedding (tissue sections) or methanol dehydration (wholemout tissue)




- DIG-Labeled antisense RNA probe Preparation (RNA quality should be checked on agarose gel just before the experiment)



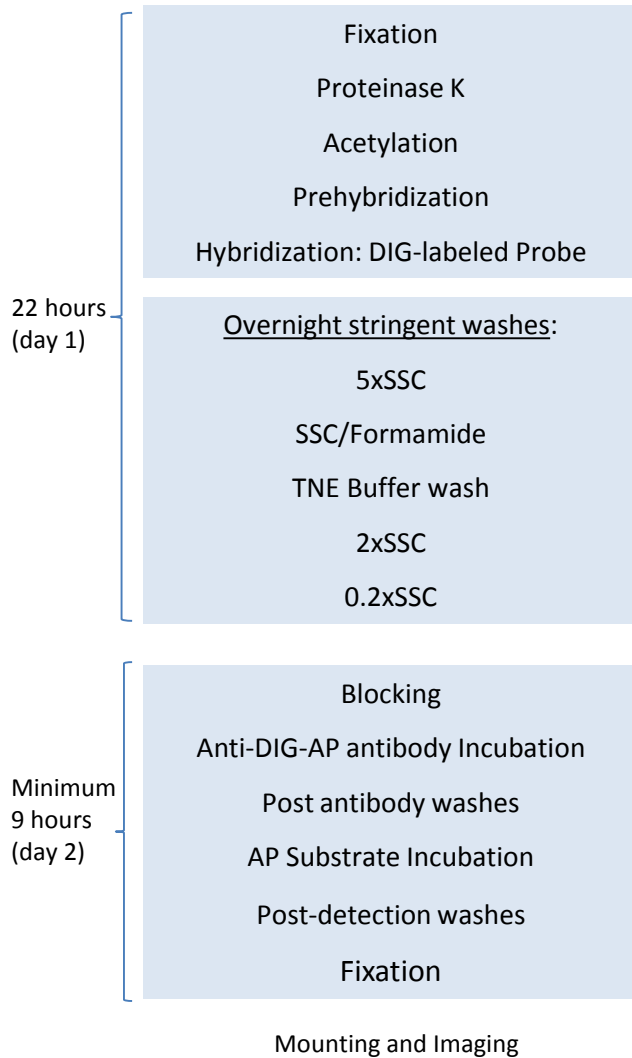
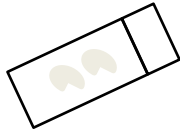
- Solutions, reagents and DEPC water Preparation according to the platform instructions



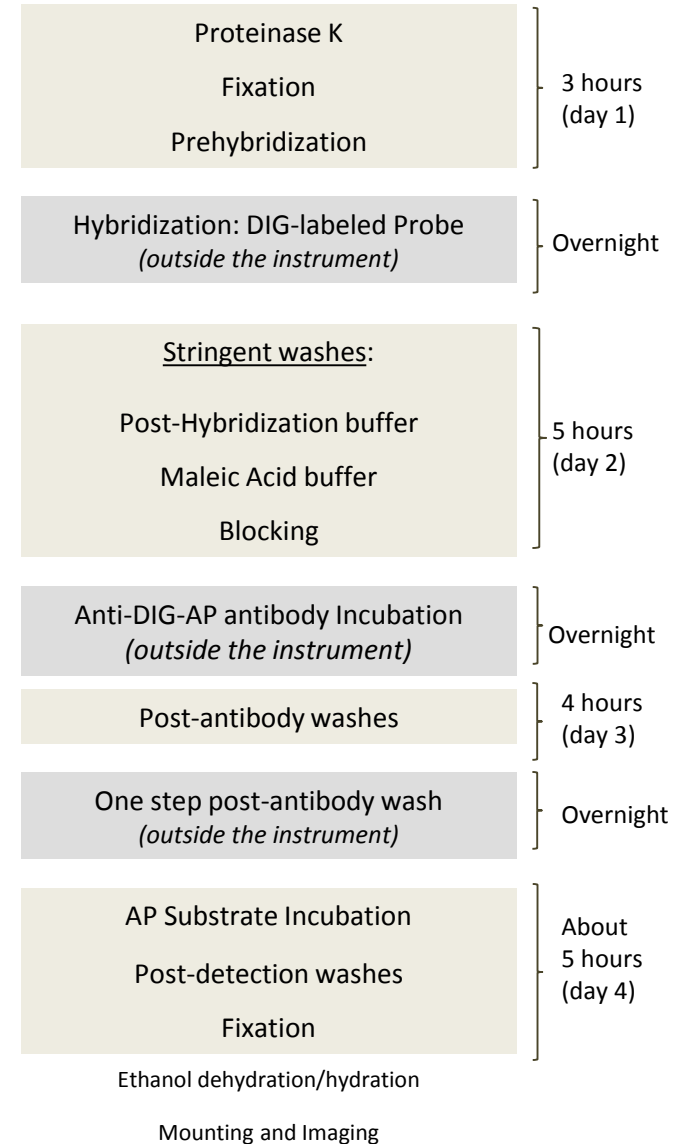
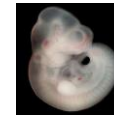
- Instrument's RNase-Treatment (Performed by the core facility personnel)



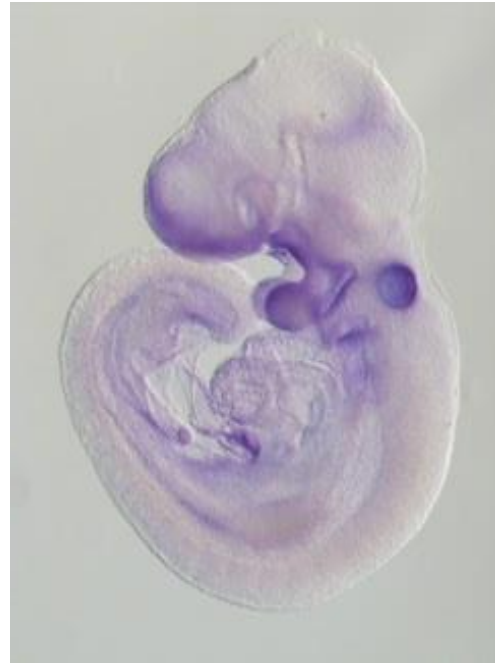
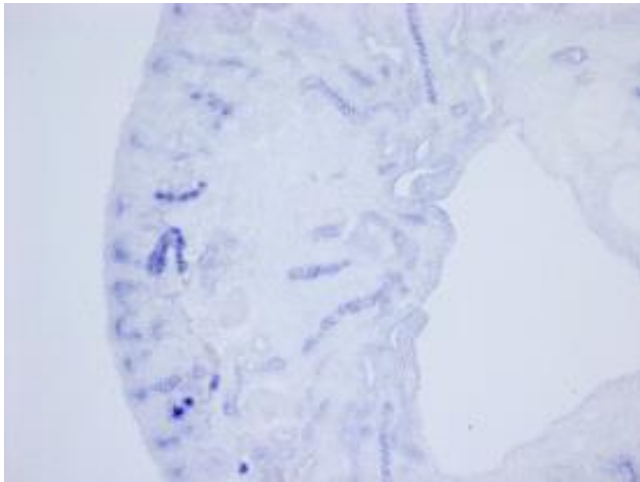
- Cryosections or wholemount hydration process previous to *in situ* hybridization protocol



**Automated *in situ* hybridization on sections**



**Semi-automated whole-mount *in situ* hybridization:** 95% of steps are automated



**Results obtained using our Tecan GenePaint system and automated/semi-automated mRNA detection protocol:** mWFDC2 RNA detection by *in situ* hybridization on Tecan GenePaint system (Metanephric kidney sections and whole mount E9.5 mouse embryo).