

H&E stain for FFPE samples

Material:

- 3 µm FFPE-cuts on glass slides
- Xylol
- ddH₂O (deionized water)
- Decreasing ethanol series: 100 %, 100 %, 96 %, 80 %, 70 %, 40 %
- Hematoxylin acid according to MAYER (e.g. Morphisto, 10231.02500)
- Tab water
- Eosin (1 % in 96 % ethanol)
- Ethanol 100%, 96 %
- Entellan (Sigma-Aldrich, 107960)
- Coverslips

Note: toxic chemicals! Perform all steps under fume hood

Staining

step	reagent	time
Deparaffination	Xylol	3 x 8 min
Rehydration	Decreasing ethanol series, ddH ₂ O	1 min each
Nuclear stain	Hematoxlin	15 min
Blueing	Tab water	5 min
Cytoplasmic stain	Eosin	5 min
Dehydration	Increasing ethanol series: 3x in 96 %, 2x in 100 %	10 s each (just dip it), drip down on paper tissue in between
	Xylol	2 x 2-3 min (longer also possible)
Coverslip	Entellan	Let dry overnight in fume hood