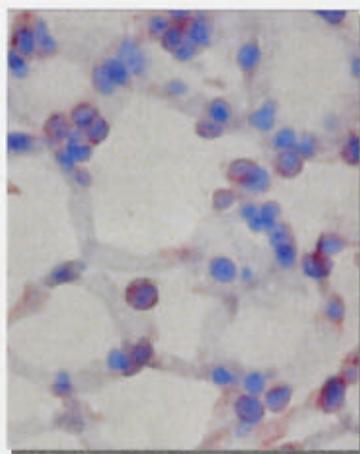




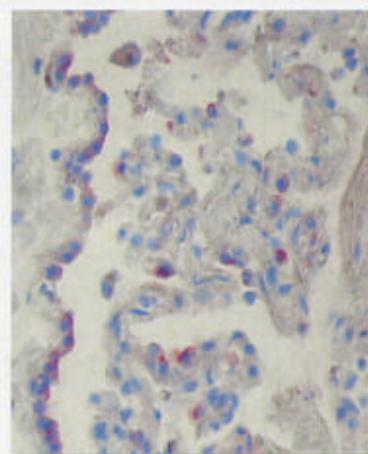
New from DCS:
HOPE-FIXATION

HEPES-Glutamic Acid Buffer Mediated Organic Solvent Protection Effect



RNA-in situ-Hybridization

Detection of IL-6 mRNA (mouse lung)



Immunohistochemistry

Detection of TLR2 with an antibody not recommended formalin-fixed paraffin-embedde tissue (human lung)



Fig. 1

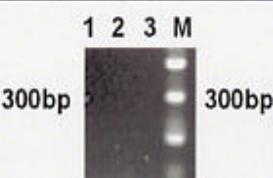


Fig. 2



Fig. 3

RT-PCR

Fig. 1 313 bp amplicon from HOPE-fixed tissue as evidence for intact mRNA > 0,7 kb.
Fig. 2 No amplicon from formalin-fixed tissue.
Fig. 3 Amplicon from HOPE-fixed tissue (lanes 4-6) as evidence for intact mRNA > 2,4 kb (lanes 1-3 formalin-fixation).

HOPE –A New Fixation Technique as a Fascinating Tool for Morphologists:

- **Immunohistochemistry on Paraffin Tissue without Antigen Unmasking**
- **IHC with Antibodies which do not work on FFPE Tissue**
- **No Problems with Overfixed Tissue Samples as for Formalin**
- **Unmatched Results in RNA and DNA in situ Hybridization**
- **Excellent Conservation of Nucleic Acids for PCR and RT-PCR**

Pictures kindly provided by:

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