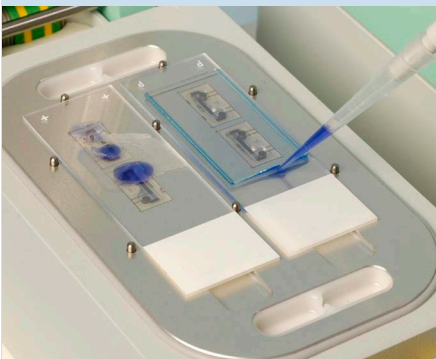


Active micro-agitation for slide incubation



SlideBooster SB450



Tissue section slide and coverslip in incubation chamber

Features

- 4 slide capacity with an agitation area of approx. 22mm x 40mm per slide
- Temperature range: up to 42°C
- Surface acoustic wave (SAW) agitation through the slide: no moving parts
- Compatible with uncovered sample droplets, Lifterslip™, coverglass and GeneFrame™ cover slips
- High precision temperature control
- Precise humidity control
- Small footprint (238mm x 355 mm)

Applications

- Slide-based fluorescence *in situ* hybridization (FISH) procedures
- Comparative genomic hybridization (CGH) on chromosomes technique
- Chromosome staining procedures
- Immuno-histochemistry (IHC) procedures

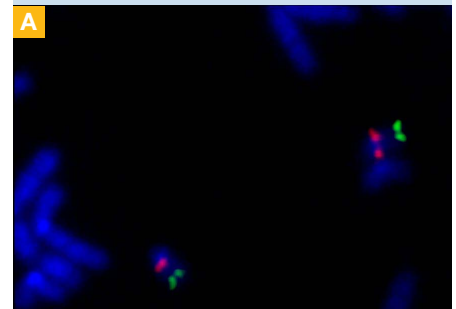
Advantages

- Low volume
- Reduced assay time
- Reagent saving
- Increased sensitivity
- Improved reproducibility

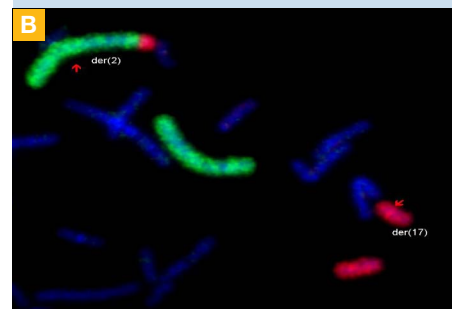
Application Results

FISH Technique	Incubation time	
	conventional	with SlideBooster
Specific loci	6-16 hours	30 min – 2 hours
Centromer-probes	1-2 hours	10 min
Telomer – probes	16 hours	2 hours
M-FISH	16 hours	16 hours (increased quality)
CGH	48 hours	16 hours

Technique	Incubation time/reagent usage	
	conventional	with SlideBooster
Chromosome staining	16 hours	2 hours
IHC	100% reagent	down to 10% of reagent



Chromosomal FISH



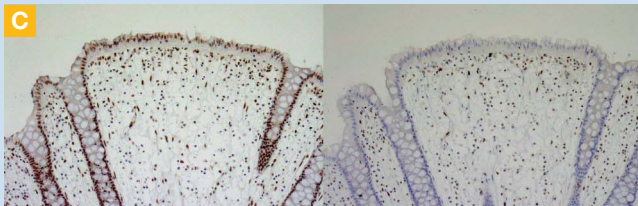
Chromosomal FISH

Figures

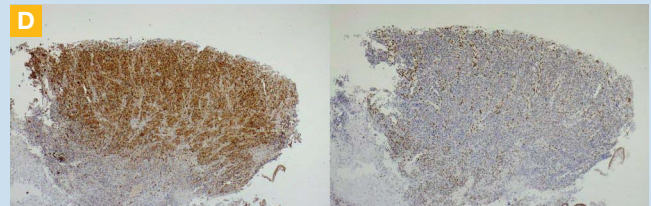
- A** Chromosomal FISH: exclusion of microdeletion of short arm of chromosome 22
- B** Chromosomal FISH: detection of translocation between chromosomes 2 and 17
- C** Incubation of histology sections with marker hMLH
- D** Incubation of histology sections with marker TS

Order Information

Ref.-No	Description
OAX05104	slide incubation station for 4 slides with temperatures up to 42°C



IHC-staining with SAW-agitation (left) vs. conventional (right)



IHC-staining with SAW-agitation (left) vs. conventional (right)