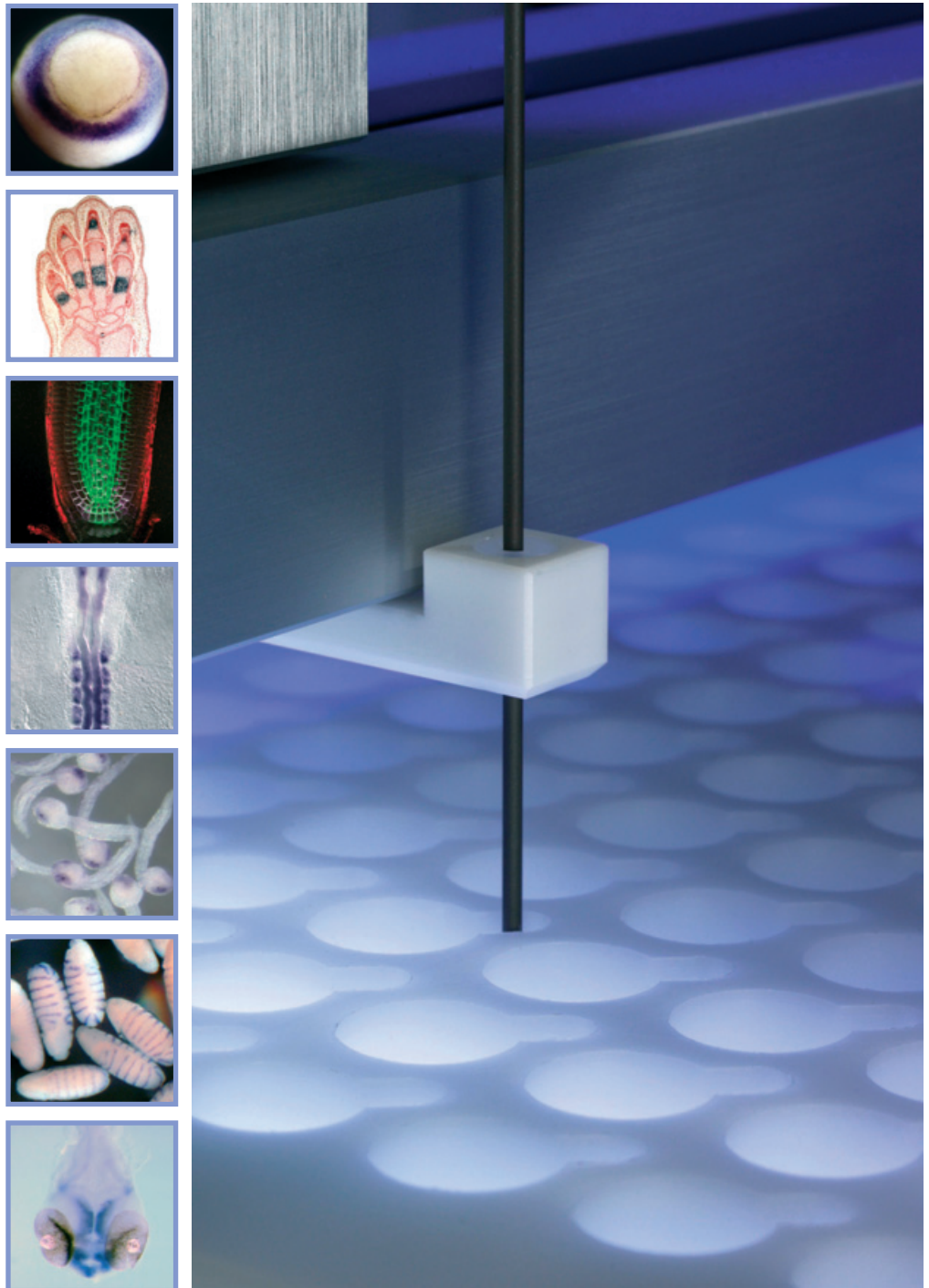


InsituPro VSi

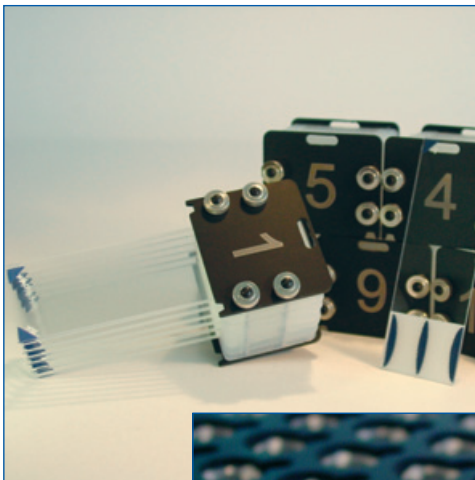
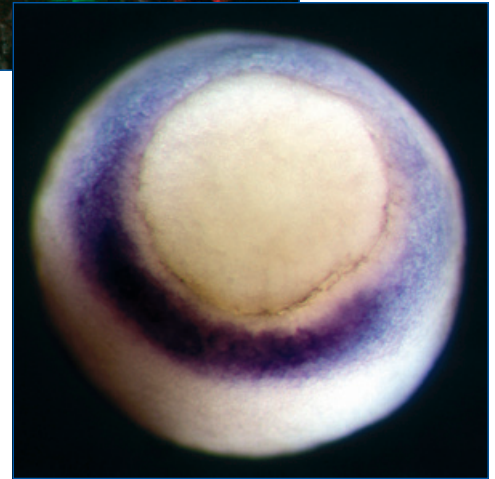
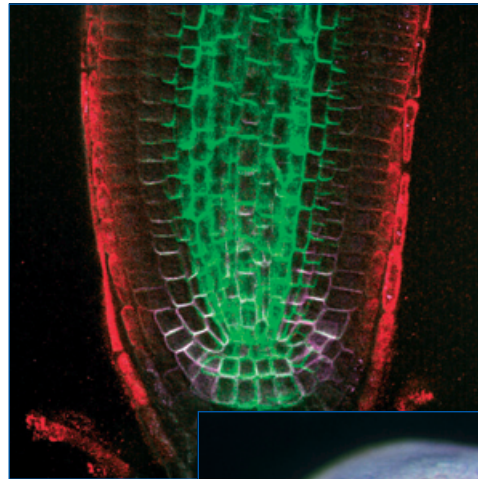
Next Generation in situ Hybridization and Immunohistochemistry



Automated *in situ* hybridization and immunohistochemistry

In situ hybridization and immunohistochemistry are powerful techniques to study gene expression patterns in complex organisms, whether performed on whole specimens or tissue sections. The ***In situPro VSi*** fully automates all steps of these techniques, allowing the user to concentrate on new scientific challenges.

- Full automation of *in situ* hybridization and immunohistochemistry
- High throughput approaches made easier
- Precise control of hybridization conditions
- Consistent processing of complex protocols
- Uses standard lab buffers



One system for whole mounts and sections

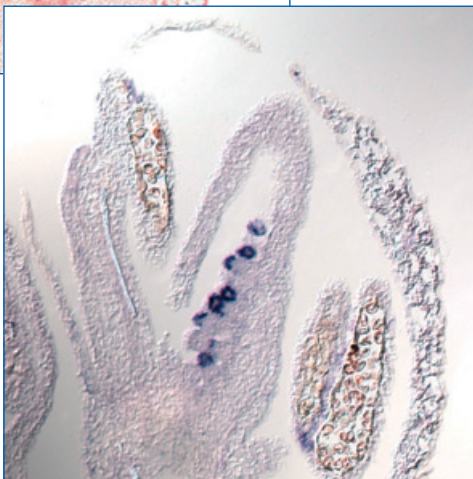
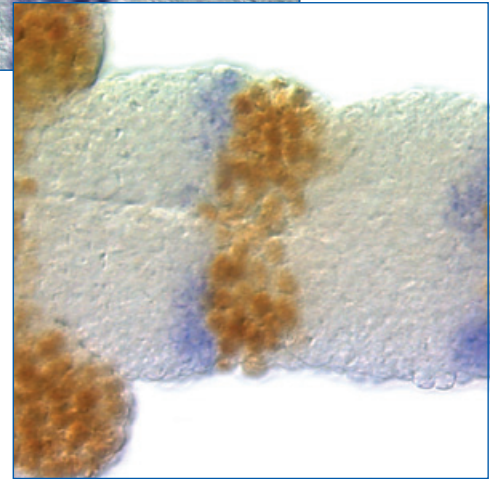
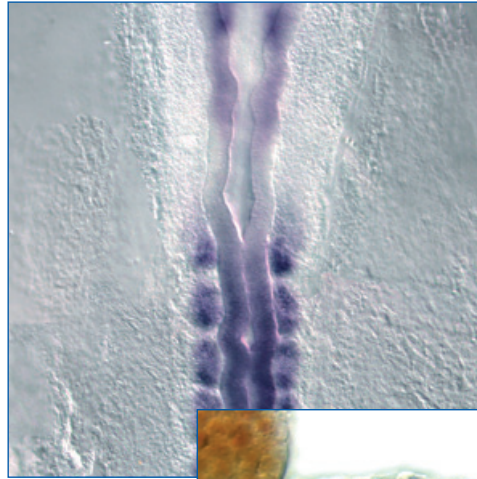
Whether working on whole mounts, vibratome sections or thin sections on microscope slides, the ***In situPro VSi*** can be adapted in a few minutes by simply swapping modules. Eighteen buffer positions including two cooled as well as two heated, and two ports for bulk buffers provide flexibility to automate even the most complex protocols.

- Exchangeable modules
- Sample racks for different specimen sizes
- Individual probes for every sample

Whole mounts and vibratome sections

Complete specimens, organs and vibratome sections are processed in incubation baskets placed in individual incubation chambers on the specimen tray. The tray is mounted on a plate which is precisely heated and cooled under software control.

- Gentle liquid exchange for delicate specimens
- Separate pipetting channels for fresh and used solutions
- Processing of up to 60 specimens in parallel with individual probes
- Three configurations for different specimen sizes available
- Recovery of solutions possible



Thin sections on slides

Thin sections on slides are sandwiched using counterslides with spacers to form individual incubation chambers. These sandwiches are mounted in a holding block which provides a buffer reservoir for each pair of slides. For liquid exchange, the *InsituPro VSi* pipettes buffer into these individual reservoirs. The liquid between the slides is then replaced by gravity flow, while the new buffer is retained in the incubation chamber by capillary force. All slides are held in a humid chamber which is heated during hybridization.

- Up to 60 slides in parallel with individual probes
- Paraffin sections and cryosections
- Fast and efficient processing



Intuitive operation software

The **InsituPro VSi** is operated by a Windows™ based software running on a standard PC

- Graphical user interface
- User-tested protocols for a variety of specimens
- Easy method development with template protocols
- Expert level for advanced method development
- Real-time display of instrument operation
- Detailed documentation of each run

Specifications

Sample size:	0.05-12 mm for whole mounts and vibratome sections Standard slides: 75 x 25 x 1 mm or 76 x 26 x 1 mm
Temperature range:	6 °C to 75 °C for the basket modules Ambient to 75 °C for the slide module
Buffer positions:	18 plus up to 60 individual probes
Cooled/heated positions:	2 x 250 ml heated / 2 x 50 ml cooled
Size of buffer vials:	2 x 1000 ml, 3 x 250 ml, 6 x 125 ml, 7 x 50 ml, 125 ml bottles can be replaced with 50 ml Falcon tubes using included adapters
Buffer volume / sample:	100 – 1600 µl
Power:	220/240 V, 50 Hz or 110/115 V, 60 Hz, 250 W
Dimensions:	57 x 50 x 69 cm (width x depth x height) [22.4 x 19.7 x 27.2 inch]
Weight:	62 kg
Sample rack configurations:	Four different configurations for samples varying in shape and size are available. Each configuration is delivered as a complete kit and includes a set of consumables.
Small basket kit:	holds 60 incubation baskets (5 mm diameter)
Medium basket kit	holds 60 incubation baskets (9 mm diameter)
Large basket kit	holds 32 incubation baskets (13 mm diameter)
Slide kit	holds 60 standard microscope slides

More information: Please contact us or visit www.intavis.com

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