



# Zebrafish Injection System

*Complete system for microinjection*



*The basic Zebrafish Injection system includes:  
Nikon SMZ25 Microscope with stand, PV820 PicoPump, M3301 Micromanipulator, 5430-ALL PicoNozzle Kit, M10 Magnetic stand, Fiber Optic Illuminator, 5052 Steel base plate.*

Zebrafish (*Danio Rerio*) are rapidly gaining in popularity as bio-medical research subjects because of the ability to generate high resolution, *in vivo* images of the embryos. Zebrafish are easy to maintain and produce a large number of offspring. Additionally, the embryos have a nearly transparent skin, making their development easily visible. These fish are used for a variety of disciplines, including neuroscience, genetics and aging studies.

Serving scientist for over 45 years, World Precision Instruments offers a variety of instruments for microinjection including pumps, pipettors, microscopes and more. Recently, WPI introduced its customizable Zebrafish Injection System with everything you need to get started. The basic system is shown below. On the next page you will find many options and accessories you may use to customize your system.



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*The Nikon SMZ25 is an ideal microscope for microinjection applications.*

## Options

You may customize your system using the following options:

### MICROSCOPE

- Nikon SMZ25 Microscope
- PZMIII Precision Stereo Zoom Microscope on Track Stand
- PZMIV Precision Stereo Zoom on Track Stand

### INJECTOR

- PV820 Pneumatic PicoPump with Hold Pressure
- PV830 Pneumatic PicoPump with Hold Pressure and Volume
- UMPIII UltraMicroPump
- Nanoliter2010

### MANIPULATOR

- M3301
- SM325
- DC3001
- SN-PCZ-50

## Accessories

- Fluorodish Optical glass bottom dishes
- Glass capillaries
- Pipetters
- Surgical Instruments
- MicroFil
- MicroTip pre-pulled pipettes
- E2XX Micropipette Storage Jar
- Bifurcated light guides
- Ring light



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