# ZF Plate Instruction Manual

The ZF plate is a 96-well microplate with a unique well-slit design that allows efficient alignment of zebrafish.

This microplate with optical clear bottom enables high-throughput imaging for zebrafish.

1. Package contents

—ZF Plate (with transparent cover): 5 plates.

—Instruction Manual: One

2. Component descriptions

ZF Plate top view   Close up

Well
Slit
Nozzle hole
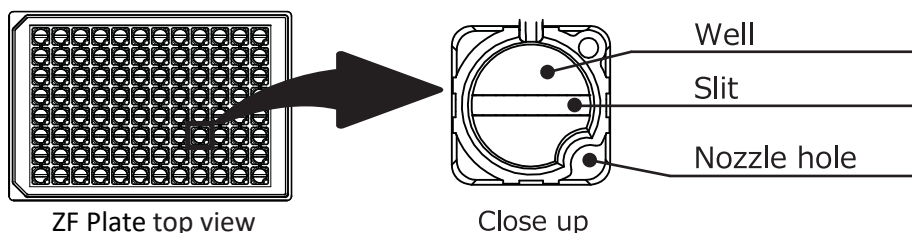
3. Procedure

1. Required materials and equipment:
   - Anesthetized zebrafish (approximately 3dpf to 6dpf)
   - ZF plate
   - Pipets (100 ul to 200 ul and 1 ml)
   - Pipet tips (wide bore tip recommended)

1) Anaesthetized zebrafish are placed into the wells
   - Using a wide-bore tip, gently pipet a single anesthetized zebrafish and place into an available well, repeat as necessary.

2) Quick centrifuge
   - Using the flash function, quickly centrifuge the microplate at 200 to 250Gs for two seconds to place the zebrafish within the slit.

3) Image zebrafish
   - After imaging zebrafish, add additional anesthetic water into the wells and using a pipet with a wide-bore tip gently suction out the zebrafish from each well.

See the URL below for the more details regarding the procedure.

https://www.hashimoto-inc.co.jp/products/zfプレート/

4. Specification

Model	HDK-ZFA101-02a	Plate material/color	polystyrene / black
Plate size(mm)	85.48(W)×127.76(L)×14.35(H)	Bottom material/thickness(mm)	Silica glass / 0.17
Mass(g)	without cover : 72 / with cover : 95	Temperature for use	0 ~ 40℃
Applicable standards	ANSI/SLAS-1 ~ 4 (96well)	Temperature for storage	4 ~ 25℃
Per well maximum capacity(ul)	250	Sterilized/non-sterilized	non-sterilized

5. Precautions for use

⚠ Do not use for applications other than imaging of small fish.

⚠ This component is disposable. Do not reuse.

⚠ Cultivation of small fish in the well is not possible.

⚠ This product cannot be treated with an autoclave.

ZFplate

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