

# Resource Summary Report

Generated by [kravitz2](#) on Aug 1, 2026

## Zebrafish - SCORE Imaging: Specimen in a Corrected Optical Rotational Enclosure

RRID:SCR\_001300

Type: Tool

### Proper Citation

Zebrafish - SCORE Imaging: Specimen in a Corrected Optical Rotational Enclosure (RRID:SCR\_001300)

### Resource Information

**URL:** <http://www.zfishbook.org/NGP/journalcontent/SCORE/SCORE.html>

**Proper Citation:** Zebrafish - SCORE Imaging: Specimen in a Corrected Optical Rotational Enclosure (RRID:SCR\_001300)

**Description:** Narrative resource describing a visual data analysis and collection approach that takes advantage of the cylindrical nature of the zebrafish allowing for an efficient and effective method for image capture called, Specimen in a Corrected Optical Rotational Enclosure (SCORE) Imaging. To achieve a non-distorted image, zebrafish were placed in a fluorinated ethylene propylene (FEP) tube with a surrounding, optically corrected imaging solution: water. By similarly matching the refractive index of the housing (FEP tubing) to that of the inner liquid and outer liquid (water), distortion was markedly reduced, producing a crisp imagable specimen that is able to be fully rotated 360 degrees. A similar procedure was established for fixed zebrafish embryos using convenient, readily available borosilicate capillaries surrounded by 75% glycerol. The method described could be applied to chemical genetic screening and other, related high-throughput methods within the fish community and among other scientific fields.

**Abbreviations:** SCORE imaging

**Synonyms:** Specimen in a Corrected Optical Rotational Enclosure imaging

**Resource Type:** narrative resource, data or information resource

**Defining Citation:** [PMID:20528262](#)

**Keywords:** format, authoring tool, embryo, microscopy, publishing format, image

**Funding:** NIGMS GM63904;  
NIDA DA14546

**Resource Name:** Zebrafish - SCORE Imaging: Specimen in a Corrected Optical Rotational Enclosure

**Resource ID:** SCR\_001300

**Alternate IDs:** nif-0000-07749

**Record Creation Time:** 20220129T080206+0000

**Record Last Update:** 20260801T042503+0000

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## Ratings and Alerts

No rating or validation information has been found for Zebrafish - SCORE Imaging: Specimen in a Corrected Optical Rotational Enclosure.

No alerts have been found for Zebrafish - SCORE Imaging: Specimen in a Corrected Optical Rotational Enclosure.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Bassir Nia A, et al. (2025) Cannabinoid Receptor Type 1 Availability in Individuals with a History of Childhood Trauma: A Positron Emission Tomography Study. Research square.

Konofagou E, et al. (2025) Safe focused ultrasound-mediated blood-brain barrier opening is driven primarily by transient reorganization of tight junctions. Research square.

Jansen RM, et al. (2025) Structural basis for mTORC1 regulation by the CASTOR1-GATOR2 complex. Research square.

Mabry SJ, et al. (2025) Fusobacterium nucleatum determines the expression of amphetamine-induced behavioral responses through an epigenetic phenomenon. bioRxiv : the preprint server for biology.

Fan R, et al. (2025) Spatially Resolved Panoramic in vivo CRISPR Screen via Perturb-DBiT. Research square.

Feinstein P, et al. (2024) Rapid Degradation of the Human ACE2 Receptor Upon Binding and Internalization of SARS-Cov-2-Spike-RBD Protein. bioRxiv : the preprint server for biology.

McLarnon SR, et al. (2024) Altered renal vascular patterning reduces ischemic kidney injury and limits vascular loss associated with aging. *bioRxiv : the preprint server for biology*.

Velasquez F, et al. (2023) Optogenetic modulation of hippocampal oscillations ameliorates spatial cognition and hippocampal dysrhythmia following early-life seizures. *Neurobiology of disease*, 178, 106021.

Cook AG, et al. (2023) Cell division angle regulates the tissue mechanics and tunes the amount of cerebellar folding. *bioRxiv : the preprint server for biology*.

Fleury S, et al. (2023) Role of Dopamine Neurons in Familiarity. *bioRxiv : the preprint server for biology*.

Gao Z, et al. (2022) Vitrification and Rewarming of Magnetic Nanoparticle-Loaded Rat Hearts. *Advanced materials technologies*, 7(3).