Resource Summary Report

Generated by dkNET on Aug 19, 2026

Leica: TCS SPE

RRID:SCR_002140
Type: Tool

Proper Citation

Leica: TCS SPE (RRID:SCR_002140)

Resource Information

URL: https://www.leica-microsystems.com/products/confocal-microscopes/p/leica-tcs-spe/

Proper Citation: Leica: TCS SPE (RRID:SCR_002140)

Description: High resolution, compact and robust confocal that enables immunohistochemical colocalization analysis of florescent markers. Leica TCS SPE confocal point-scanning, spectral system for fluorescence imaging of live or fixed cells.

Abbreviations: TCS SPE

Synonyms: Leica TCS SPE confocal microscope

Resource Type: instrument resource

Keywords: confocal microscope, imaging, instrument, equipment, hardware

Availability: Restricted

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_002140.pdf

Resource Name: Leica: TCS SPE

Resource ID: SCR_002140

Alternate IDs: SciRes_000154

Old URLs: http://www.leica-microsystems.com/fileadmin/downloads/Leica%20TCS%20SPE/Brochures/Leica%20TCS%20SPE-Brochure_EN.pdf

License: Commercial license

Record Creation Time: 20220129T080211+0000

Record Last Update: 20260815T182212+0000

Ratings and Alerts

No rating or validation information has been found for Leica: TCS SPE.

No alerts have been found for Leica: TCS SPE.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Ziegler Y, et al. (2026) JAK/STAT1-interferon-ISGylation networks in breast cancer resistance to inhibitors of FOXM1 and CDK4/6. NPJ breast cancer, 12(1).

Soulard M, et al. (2025) Elimination of cells with local mismatch in differentiation timing contributes to synchronize tissue development. iScience, 28(8), 113135.

Mei S, et al. (2025) Single-Cell and Spatial Transcriptomics Reveal a Tumor-Associated Macrophage Subpopulation that Mediates Prostate Cancer Progression and Metastasis. Molecular cancer research : MCR, 23(7), 653.

Foucault L, et al. (2024) Neonatal brain injury unravels transcriptional and signaling changes underlying the reactivation of cortical progenitors. Cell reports, 43(2), 113734.

Yan W, et al. (2023) Subtype-Specific Roles of Ellipsoid Body Ring Neurons in Sleep Regulation in Drosophila. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(5), 764.

Nukala KM, et al. (2023) Downregulation of oxidative stress-mediated glial innate immune response suppresses seizures in a fly epilepsy model. Cell reports, 42(1), 112004.

Tan X, et al. (2023) Iron overload facilitates neonatal hypoxic-ischemic brain damage via SLC7A11-mediated ferroptosis. Journal of neuroscience research, 101(7), 1107.

S??nchez-Temprano A, et al. (2022) Concurrent Akt, ERK1/2 and AMPK Activation by Obestatin Inhibits Apoptotic Signaling Cascades on Nutrient-Deprived PC12 Cells. Cellular and molecular neurobiology, 42(5), 1607.

Chen N, et al. (2022) Local translation provides the asymmetric distribution of CaMKII required for associative memory formation. Current biology : CB, 32(12), 2730.

Perez-Rando M, et al. (2022) Estradiol Regulates Polysialylated Form of the Neural Cell Adhesion Molecule Expression and Connectivity of O-LM Interneurons in the

Hippocampus of Adult Female Mice. Neuroendocrinology, 112(1), 51.

Hobin M, et al. (2022) The Drosophila microRNA bantam regulates excitability in adult mushroom body output neurons to promote early night sleep. iScience, 25(9), 104874.

Yildirim F, et al. (2021) Shared and oppositely regulated transcriptomic signatures in Huntington's disease and brain ischemia confirm known and unveil novel potential neuroprotective genes. Neurobiology of aging, 104, 122.e1.

Messerschmidt C, et al. (2021) PHACTR1 genetic variability is not critical in small vessel ischemic disease patients and PcomA recruitment in C57BL/6J mice. Scientific reports, 11(1), 6072.

Leiwe MN, et al. (2021) Post hoc Correction of Chromatic Aberrations in Large-Scale Volumetric Images in Confocal Microscopy. Frontiers in neuroanatomy, 15, 760063.

Lentini C, et al. (2021) Reprogramming reactive glia into interneurons reduces chronic seizure activity in a mouse model of mesial temporal lobe epilepsy. Cell stem cell, 28(12), 2104.

Pohlkamp T, et al. (2021) NHE6 depletion corrects ApoE4-mediated synaptic impairments and reduces amyloid plaque load. eLife, 10.

Kerr BA, et al. (2021) Kindlin-3 mutation in mesenchymal stem cells results in enhanced chondrogenesis. Experimental cell research, 399(2), 112456.

Rivera P, et al. (2021) Sex-specific behavioral and neurogenic responses to cocaine in mice lacking and blocking dopamine D1 or dopamine D2 receptors. The Journal of comparative neurology, 529(8), 1724.

Huehnchen P, et al. (2020) Blockade of IL-6 signaling prevents paclitaxel-induced neuropathy in C57Bl/6 mice. Cell death & disease, 11(1), 45.

Jiang D, et al. (2020) Bioenergetic Crosstalk between Mesenchymal Stem Cells and various Ocular Cells through the intercellular trafficking of Mitochondria. Theranostics, 10(16), 7260.