

Resource Summary Report

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Primer Express

RRID:SCR_014326

Type: Tool

Proper Citation

Primer Express (RRID:SCR_014326)

Resource Information

URL: <https://www.thermofisher.com/order/catalog/product/4363991>

Proper Citation: Primer Express (RRID:SCR_014326)

Description: Software that allows users to manually or automatically design custom primers and probes for gene quantitation and allelic discrimination (SNP) real-time PCR applications. It supports assays based on TaqMan and SYBR Green I dye chemistries.

Resource Type: software resource, software application, standalone software

Keywords: primer, probe, design, gene quantitation, allelic discrimination, real time pcr

Availability: Pay for product, Specifically made for ThermoFisher Scientific RT-PCR systems

Resource Name: Primer Express

Resource ID: SCR_014326

License: Primer Express Software v3.0.1 License

License URLs: <https://www.thermofisher.com/us/en/home/global/terms-and-conditions.html>

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260801T191105+0000

Ratings and Alerts

No rating or validation information has been found for Primer Express.

No alerts have been found for Primer Express.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4773 mentions in open access literature.

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

Akbarzadeh Lelekami M, et al. (2025) Gene metabolite relationships revealed metabolic adaptations of rice salt tolerance. *Scientific reports*, 15(1), 2404.

Yamamoto M, et al. (2025) Comprehensive analysis of gene expressions in ileal mucosa of chickens fed paddy rice and their IgA response to oral vaccination. *Poultry science*, 104(2), 104823.

Bruszt N, et al. (2025) Synergistic effects of memantine and alpha7 nicotinic acetylcholine receptor agonist PHA-543613 to improve memory of aged rats. *The international journal of neuropsychopharmacology*, 28(3).

Adhikari TB, et al. (2025) Real-time quantitative PCR method for assessing wheat cultivars for resistance to *Zymoseptoria tritici*. *Frontiers in plant science*, 16, 1605156.

Liu HL, et al. (2025) SerpinE2 promotes M2 polarization in macrophage to accelerate colorectal cancer progression. *Frontiers in oncology*, 15, 1585935.

Joshi A, et al. (2025) Mitochondrial HSP90 Paralog TRAP1 Deletion Drives Glutamine Addiction in Tumor Cells via Destablization of the Cys/Glu Antiporter SLC7A11/xCT. *Molecular cancer research : MCR*, 23(9), 792.

Cui J, et al. (2025) Mechanisms and reversibility of nicotine-induced spermatogenesis impairment and DNA methylation changes. *Communications biology*, 8(1), 1053.

Zhang Z, et al. (2025) LUPP-LAMP: one-pot multiplatform universal LAMP assay for simultaneous detection and genotyping of DENV and ZIKV. *Journal of nanobiotechnology*, 23(1), 490.

Mathur S, et al. (2025) A novel short-course, low-intensity blood-flow-restricted exercise (BFRE) regimen to study satellite cell function in critical illness survivors with sustained muscle atrophy following intensive care unit-acquired weakness (ICUAW). *Frontiers in physiology*, 16, 1553471.

Kim D, et al. (2025) Acidic pH Reduces Fluconazole Susceptibility in *Cryptococcus neoformans* by Altering Iron Uptake and Enhancing Ergosterol Biosynthesis. *Journal of microbiology and biotechnology*, 35, e2504007.

Sun S, et al. (2025) CENPU promotes tumorigenesis and stem cell properties in triple? negative breast cancer by suppressing lysosomal furin degradation. *International journal of molecular medicine*, 56(6).

Coluccia M, et al. (2025) Conserved and acquired: Decoding YbjX and VirK in the pathogenicity of *Shigella flexneri*. *Virulence*, 16(1), 2571677.

Mariano A, et al. (2025) Cell Culture in a Hyperbaric Chamber: A Research Model to Study the Effects of Hyperbarism (Hyperbaric Pressure) on Bone Cell Culture. *Cells*, 14(16).

Yang T, et al. (2025) Cost-Effective Identification of Hepatocellular Carcinoma from Cirrhosis or Chronic Hepatitis Virus Infection Using Eight Methylated Plasma DNA Markers. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(19), e2411945.

Filippi J, et al. (2025) ODEP-Based Robotic System for Micromanipulation and In-Flow Analysis of Primary Cells. *Cyborg and bionic systems* (Washington, D.C.), 6, 0234.

Razmara P, et al. (2025) Cannabidiol exerts teratogenic effects on developing zebrafish through the sonic hedgehog signaling pathway. *Scientific reports*, 15(1), 14533.

Vaughan R, et al. (2025) Embryonic thermal conditioning and post-hatch heat challenge alter hypothalamic expression of genes related to appetite, thermoregulation, and stress modulation in broiler chicks. *Frontiers in physiology*, 16, 1583958.

Lin HH, et al. (2025) BioInnovate AI: A Machine Learning Platform for Rapid PCR Assay Design in Emerging Infectious Disease Diagnostics. *Diagnostics* (Basel, Switzerland), 15(12).

Dong J, et al. (2025) Extraction of anthocyanins from purple sweet potato: evaluation of anti-inflammatory effects in a rheumatoid arthritis animal model, mechanistic studies on inflammatory cells, and development of exosome-based delivery for enhanced targeting. *Frontiers in immunology*, 16, 1559874.

Guerrero-López R, et al. (2025) Premature ageing of lung alveoli and bone marrow cells from *Terc* deficient mice with different telomere lengths. *Scientific reports*, 15(1), 6102.