

Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

Bio-Techne: BioSpec TC-312 Thermal Cycler

RRID:SCR_019724

Type: Tool

Proper Citation

Bio-Techne: BioSpec TC-312 Thermal Cycler (RRID:SCR_019724)

Resource Information

URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_019724.pdf

Proper Citation: Bio-Techne: BioSpec TC-312 Thermal Cycler (RRID:SCR_019724)

Description: Laboratory instrument used to amplify segments of DNA or RNA through a process called Polymerase Chain Reaction (PCR). By rapidly heating and cooling samples, it forces DNA to replicate exponentially, allowing scientists to analyze or identify genetic material.

Resource Type: instrument resource

Keywords: Bio-Techne, BioSpec, Thermal Cycler, Polymerase Chain Reaction

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_019724.pdf

Resource Name: Bio-Techne: BioSpec TC-312 Thermal Cycler

Resource ID: SCR_019724

Alternate IDs: Model_Number_BioSpec_TC-312

Record Creation Time: 20220129T080346+0000

Record Last Update: 20260801T190636+0000

Ratings and Alerts

No rating or validation information has been found for Bio-Techne: BioSpec TC-312 Thermal Cycler.

No alerts have been found for Bio-Techne: BioSpec TC-312 Thermal Cycler.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Chatelaine HA, et al. (2022) Dietary Energy Intake and Presence of Aberrant Crypt Foci Are Associated with Phospholipid, Purine, and Taurine Metabolite Abundances in C57BL/6N Mouse Colon. *Molecular nutrition & food research*, 66(20), e2200180.

Okuniewska M, et al. (2021) SPNS2 enables T cell egress from lymph nodes during an immune response. *Cell reports*, 36(2), 109368.

Yankova G, et al. (2021) Cerebral arterial architectonics and CFD simulation in mice with type 1 diabetes mellitus of different duration. *Scientific reports*, 11(1), 3969.

Liu H, et al. (2021) Wdr47, Camsaps, and Katanin cooperate to generate ciliary central microtubules. *Nature communications*, 12(1), 5796.

Klopper KB, et al. (2020) Biofilm dynamics: linking in situ biofilm biomass and metabolic activity measurements in real-time under continuous flow conditions. *NPJ biofilms and microbiomes*, 6(1), 42.

Fischer K, et al. (2020) The scaffold protein p62 regulates adaptive thermogenesis through ATF2 nuclear target activation. *Nature communications*, 11(1), 2306.

Phanse Y, et al. (2020) A Protective Vaccine against Johne's Disease in Cattle. *Microorganisms*, 8(9).

Schuppe ER, et al. (2019) Phenotypic variation reveals sites of evolutionary constraint in the androgenic signaling pathway. *Hormones and behavior*, 115, 104538.

Zhou Y, et al. (2017) Amino acid functionalized gadofullerene nanoparticles with superior antitumor activity via destruction of tumor vasculature in vivo. *Biomaterials*, 133, 107.

Gao J, et al. (2016) N-terminal acetylation promotes synaptonemal complex assembly in *C. elegans*. *Genes & development*, 30(21), 2404.

Ono T, et al. (2015) Amino acid PET tracers are reliable markers of treatment responses to single-agent or combination therapies including temozolomide, interferon- γ , and/or bevacizumab for glioblastoma. *Nuclear medicine and biology*, 42(7), 598.

Kanagawa M, et al. (2014) Comparison of trans-1-amino-3-[^{18}F]fluorocyclobutanecarboxylic acid (anti-[^{18}F]FACBC) accumulation in lymph node prostate cancer metastasis and lymphadenitis in rats. *Nuclear medicine and biology*,

41(7), 545.

de Vries EF, et al. (2004) Synthesis and evaluation of a fluorine-18 labeled antisense oligonucleotide as a potential PET tracer for iNOS mRNA expression. *Nuclear medicine and biology*, 31(5), 605.

Storey MK, et al. (2001) A genetic screen for ethanolamine auxotrophs in *Saccharomyces cerevisiae* identifies a novel mutation in Mcd4p, a protein implicated in glycosylphosphatidylinositol anchor synthesis. *Biochimica et biophysica acta*, 1532(3), 234.