

Resource Summary Report

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Agilent: 5300 Fragment Analyzer System

RRID:SCR_019411

Type: Tool

Proper Citation

Agilent: 5300 Fragment Analyzer System (RRID:SCR_019411)

Resource Information

URL: <https://www.agilent.com/en/product/automated-electrophoresis/fragment-analyzer-systems/fragment-analyzer-systems/5300-fragment-analyzer-system-365721>

Proper Citation: Agilent: 5300 Fragment Analyzer System (RRID:SCR_019411)

Description: Capillary electrophoresis instrument that can separate up to 48 or 96 samples in parallel. Enables DNA quality control for NGS libraries, gDNA, cfDNA, and large DNA fragments. RNA quality can be checked by this system where small RNA, total RNA, and mRNA vaccines are applicable for RNA integrity, sizing, and quantification analysis.

Resource Type: instrument resource

Keywords: Agilent, Fragment Analyzer System, Instrument Equipment, USEdit,

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_019411.pdf

Resource Name: Agilent: 5300 Fragment Analyzer System

Resource ID: SCR_019411

Alternate IDs: Model_Number_5300_Fragment

Alternate URLs: <https://www.agilent.com/cs/library/brochures/brochure-reliable-nucleic-acid-sample-analysis-fragment-analyzer-5994-0414en-agilent.pdf>

Record Creation Time: 20220129T080345+0000

Record Last Update: 20260829T182622+0000

Ratings and Alerts

No rating or validation information has been found for Agilent: 5300 Fragment Analyzer System.

No alerts have been found for Agilent: 5300 Fragment Analyzer System.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Friske JD, et al. (2026) A Conserved Enhancer Locus in Extrachromosomal DNA and Homogeneously Staining Regions Activates MYC Transcription in Group 3 Medulloblastoma. *Cancer research*, 86(13), 3160.

Lüönd F, et al. (2025) DLBCL Cells Emerge after CD19 CAR T Cells with Cross-Antigen Resistance and a Gene Signature Predictive of Clinical CAR T-cell Response. *Blood cancer discovery*, 6(6), 580.

Leong ML, et al. (2025) NTX250: A Modular mRNA-Based Immunotherapy Platform for HPV-Associated Cancers with Broad Applicability. *bioRxiv : the preprint server for biology*.

Lal S, et al. (2025) Nanoparticle-formulated mRNA encoding engineered multivalent SIRP ?-Fc fusion proteins shows robust anti-cancer activity in preclinical models. *Molecular therapy. Nucleic acids*, 36(2), 102550.

Gancedo-Verdejo J, et al. (2025) Age-dependent effect of environmental enrichment on the neural 3D chromatin interactome. *Cell reports*, 44(9), 116182.

Edelmann M, et al. (2024) Tumor Vessel Normalization via PFKFB3 Inhibition Alleviates Hypoxia and Increases Tumor Necrosis in Rectal Cancer upon Radiotherapy. *Cancer research communications*, 4(8), 2008.

Danev N, et al. (2024) Comparative transcriptomic analysis of bovine mesenchymal stromal cells reveals tissue-source and species-specific differences. *iScience*, 27(2), 108886.