

# Resource Summary Report

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## Applied Photophysics: Chirascan V100 Circular Dichroism spectrometer

RRID:SCR\_025759

Type: Tool

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### Proper Citation

Applied Photophysics: Chirascan V100 Circular Dichroism spectrometer  
(RRID:SCR\_025759)

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### Resource Information

**URL:** <https://www.photophysics.com/product-pages/chirascan-v100/>

**Proper Citation:** Applied Photophysics: Chirascan V100 Circular Dichroism spectrometer  
(RRID:SCR\_025759)

**Description:** Chirascan V100 circular dichroism spectrometer for circular dichroism analysis, generating data that contribute to biomolecular characteristics, mechanisms, and interactions. Used for studying chiral molecules.

**Synonyms:** Chirascan V100 Circular Dichroism spectrometer, Chirascan V100

**Resource Type:** instrument resource

**Keywords:** circular dichroism spectrometer, circular dichroism analysis, circular dichroism spectroscopy, circular dichroism spectra,

**Specification URL:** [https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR\\_025759.pdf](https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_025759.pdf)

**Resource Name:** Applied Photophysics: Chirascan V100 Circular Dichroism spectrometer

**Resource ID:** SCR\_025759

**Record Creation Time:** 20240920T053257+0000

**Record Last Update:** 20260801T191338+0000

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### Ratings and Alerts

No rating or validation information has been found for Applied Photophysics: Chirascan V100 Circular Dichroism spectrometer.

No alerts have been found for Applied Photophysics: Chirascan V100 Circular Dichroism spectrometer.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Foor SD, et al. (2023) A unique borrelial protein facilitates microbial immune evasion. mBio, 14(5), e0213523.

Huynh MV, et al. (2022) Oncogenic KRAS G12C: Kinetic and redox characterization of covalent inhibition. The Journal of biological chemistry, 298(8), 102186.

Cuddington CT, et al. (2022) Pilot scale production and characterization of next generation high molecular weight and tense quaternary state polymerized human hemoglobin. Biotechnology and bioengineering, 119(12), 3447.

Lin KH, et al. (2020) Structural and chemical trapping of flavin-oxide intermediates reveals substrate-directed reaction multiplicity. Protein science : a publication of the Protein Society, 29(7), 1655.

Gautier C, et al. (2020) Hidden kinetic traps in multidomain folding highlight the presence of a misfolded but functionally competent intermediate. Proceedings of the National Academy of Sciences of the United States of America, 117(33), 19963.

Meng F, et al. (2019) Substitutions in the  $\gamma$  subunits of sickle-cell hemoglobin improve oxidative stability and increase the delay time of sickle-cell fiber formation. The Journal of biological chemistry, 294(11), 4145.

Shivange AV, et al. (2019) Determining the pharmacokinetics of nicotinic drugs in the endoplasmic reticulum using biosensors. The Journal of general physiology, 151(6), 738.

Schuster D, et al. (2018) Pharmacophore-based discovery of 2-(phenylamino)aceto-hydrazides as potent eosinophil peroxidase (EPO) inhibitors. Journal of enzyme inhibition and medicinal chemistry, 33(1), 1529.

Gautier C, et al. (2017) Addressing the role of the  $\gamma$ -helical extension in the folding of the third PDZ domain from PSD-95. Scientific reports, 7(1), 12593.

Petrosino M, et al. (2017) Unveiling the folding mechanism of the Bromodomains. Biochemistry and biophysics reports, 11, 99.

Jia Y, et al. (2013) Haptoglobin preferentially binds  $\alpha$  but not  $\beta$  subunits cross-linked hemoglobin tetramers with minimal effects on ligand and redox reactions. PloS one, 8(3), e59841.

Chiarella S, et al. (2013) The folding pathway of a functionally competent C-terminal domain of nucleophosmin: protein stability and denatured state residual structure. Biochemical and biophysical research communications, 435(1), 64.

Lawrence C, et al. (2010) Investigation of an anomalously accelerating substitution in the folding of a prototypical two-state protein. Journal of molecular biology, 403(3), 446.

Roettger MP, et al. (2008) Mismatched and matched dNTP incorporation by DNA polymerase beta proceed via analogous kinetic pathways. Biochemistry, 47(37), 9718.

Kumar S, et al. (2008) Altered order of substrate binding by DNA polymerase X from African Swine Fever virus. Biochemistry, 47(30), 7875.

Jia Y, et al. (2004) Oxygen binding and oxidation reactions of human hemoglobin conjugated to carboxylate dextran. Biochimica et biophysica acta, 1672(3), 164.

Jantschko W, et al. (2003) Direct conversion of ferrous myeloperoxidase to compound II by hydrogen peroxide: an anaerobic stopped-flow study. Biochemical and biophysical research communications, 312(2), 292.