

# Resource Summary Report

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## Amnis ImageStreamX Mk II Imaging Flow Cytometer

RRID:SCR\_020142

Type: Tool

### Proper Citation

Amnis ImageStreamX Mk II Imaging Flow Cytometer (RRID:SCR\_020142)

### Resource Information

**URL:** <https://www.luminexcorp.com/imagestreamx-mk-ii/>

**Proper Citation:** Amnis ImageStreamX Mk II Imaging Flow Cytometer (RRID:SCR\_020142)

**Description:** Benchtop, multispectral, imaging flow cytometer designed for acquisition of up to 12 channels of cellular imagery. By collecting large numbers of digital images per sample and providing a numerical representation of image-based features, the ImageStreamX Mk II combines the per cell information content provided by standard microscopy with the statistical significance afforded by large sample sizes common to standard flow cytometry. With the ImageStreamX Mk II System, fluorescence intensity measurements are acquired as with a conventional flow cytometer; however, the best applications for the ImageStreamX Mk II take advantage of the system's imaging abilities to locate and quantitate the distribution of signals on in or between cells.

**Synonyms:** ImageStream-X, Image Analyzer (4 lasers/10 colors) Multiple, ImageStreamX Mk II System

**Resource Type:** instrument resource

**Keywords:** Instrument, Equipment, USEDit, Image Analyzer, imaging flow cytometer, Instrument Equipment, USEDit

**Availability:** Commercially available

**Resource Name:** Amnis ImageStreamX Mk II Imaging Flow Cytometer

**Resource ID:** SCR\_020142

**Alternate IDs:** Model\_Number\_ImageStreamX

**Record Creation Time:** 20220129T080348+0000

**Record Last Update:** 20260903T235613+0000

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## Ratings and Alerts

No rating or validation information has been found for Amnis ImageStreamX Mk II Imaging Flow Cytometer.

No alerts have been found for Amnis ImageStreamX Mk II Imaging Flow Cytometer.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 116 mentions in open access literature.

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

Nellore A, et al. (2023) A transcriptionally distinct subset of influenza-specific effector memory B cells predicts long-lived antibody responses to vaccination in humans. *Immunity*, 56(4), 847.

González Bullón D, et al. (2021) Cholesterol stimulates the lytic activity of Adenylate Cyclase Toxin on lipid membranes by promoting toxin oligomerization and formation of pores with a greater effective size. *The FEBS journal*, 288(23), 6795.

Zbodakova O, et al. (2021) ADAM10 and ADAM17 regulate EGFR, c-Met and TNF RI signalling in liver regeneration and fibrosis. *Scientific reports*, 11(1), 11414.

Dulman RS, et al. (2021) CB1 receptor neutral antagonist treatment epigenetically increases neuropeptide Y expression and decreases alcohol drinking. *Neuropharmacology*, 195, 108623.

Yang Y, et al. (2021) The role and mechanism of hyperoside against myocardial infarction in mice by regulating autophagy via NLRP1 inflammation pathway. *Journal of ethnopharmacology*, 276, 114187.

Lin CG, et al. (2021) The human telomeric proteome during telomere replication. *Nucleic acids research*, 49(21), 12119.

Cleary CM, et al. (2021) Disordered breathing in a Pitt-Hopkins syndrome model involves Phox2b-expressing parafacial neurons and aberrant Nav1.8 expression. *Nature communications*, 12(1), 5962.

Hinz N, et al. (2021) Knockdown of AKT3 Activates HER2 and DDR Kinases in Bone-Seeking Breast Cancer Cells, Promotes Metastasis In Vivo and Attenuates the TGF $\beta$ /CTGF Axis. *Cells*, 10(2).

Saki G, et al. (2020) Effect of  $\beta$ -asarone in normal and  $\beta$ -amyloid-induced Alzheimeric rats. *Archives of medical science : AMS*, 16(3), 699.

Winterton DJ, et al. (2020) Investigating the effects of management practice on mammalian co-occurrence along the West Coast of South Africa. *PeerJ*, 8, e8184.

Sun F, et al. (2019) Selenium nanoparticles act as an intestinal p53 inhibitor mitigating chemotherapy-induced diarrhea in mice. *Pharmacological research*, 149, 104475.

Ebensen T, et al. (2019) The Combination Vaccine Adjuvant System Alum/c-di-AMP Results in Quantitative and Qualitative Enhanced Immune Responses Post Immunization. *Frontiers in cellular and infection microbiology*, 9, 31.

Wang J, et al. (2019) Antioxidant and Pro-Oxidant Activities of Melatonin in the Presence of Copper and Polyphenols In Vitro and In Vivo. *Cells*, 8(8).

Zhang L, et al. (2019) Melatonin and (-)-Epigallocatechin-3-Gallate: Partners in Fighting Cancer. *Cells*, 8(7).

González-Bullón D, et al. (2019) Membrane Permeabilization by Bordetella Adenylate Cyclase Toxin Involves Pores of Tunable Size. *Biomolecules*, 9(5).

Seroussi E, et al. (2019) Avian Expression Patterns and Genomic Mapping Implicate Leptin in Digestion and TNF in Immunity, Suggesting That Their Interacting Adipokine Role Has Been Acquired Only in Mammals. *International journal of molecular sciences*, 20(18).

Wieczorek E, et al. (2019) Destabilised human transthyretin shapes the morphology of calcium carbonate crystals. *Biochimica et biophysica acta. General subjects*, 1863(2), 313.

Calixto CPG, et al. (2019) Cold-Dependent Expression and Alternative Splicing of Arabidopsis Long Non-coding RNAs. *Frontiers in plant science*, 10, 235.

Wang X, et al. (2019) A mouse model of subacute liver failure with ascites induced by step-wise increased doses of (-)-epigallocatechin-3-gallate. *Scientific reports*, 9(1), 18102.

Suire S, et al. (2019) Frontline Science: TNF- $\alpha$  and GM-CSF1 priming augments the role of SOS1/2 in driving activation of Ras, PI3K- $\gamma$ , and neutrophil proinflammatory responses. *Journal of leukocyte biology*, 106(4), 815.