# Resource Summary Report

Generated by dkNET on May 21, 2025

## MicrobeJ

RRID:SCR_023914
Type: Tool

### Proper Citation

MicrobeJ (RRID:SCR_023914)

### Resource Information

**URL:** https://www.microbej.com/

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**Description:** Software tool for high throughput bacterial cell detection and quantitative analysis. Used to analyze bacterial cells. Used to process images derived from variety of microscopy experiments with special emphasis on large image sets. Performs intensity and morphology measurements as well as customized detection of poles, septa, fluorescent foci, and organelles, determines their sub-cellular localization with sub-pixel resolution, and tracks them over time.

**Resource Type:** software resource, image processing software, data analysis software, software application, data processing software

**Defining Citation:** PMID:27572972

**Keywords:** bacterial cell detection, analyze bacterial cells, bacteria quantitative analysis, process images, intensity and morphology measurements,

**Funding:** NIGMS GM51986;
NIGMS GM113172;
Indiana University Office of the Vice President for Research ;
NCATS UL1TR001108

**Availability:** Free, Available for download, Freely available

**Resource Name:** MicrobeJ

**Resource ID:** SCR_023914

**Record Creation Time:** 20230805T050219+0000

**Record Last Update:** 20250521T061932+0000

## Ratings and Alerts

No rating or validation information has been found for MicrobeJ.

No alerts have been found for MicrobeJ.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 4 mentions in open access literature.

**Listed below are recent publications.** The full list is available at dkNET.

Parada CM, et al. (2025) Growth-dependent concentration gradient of the oscillating Min system in Escherichia coli. The Journal of cell biology, 224(2).

Cayron J, et al. (2024) TisB protein is the single molecular determinant underlying multiple downstream effects of ofloxacin in Escherichia coli. Science advances, 10(13), eadk1577.

Kandolo O, et al. (2023) Acinetobacter type VI secretion system comprises a non-canonical membrane complex. PLoS pathogens, 19(9), e1011687.

Oliveira Paiva AM, et al. (2019) The Bacterial Chromatin Protein HupA Can Remodel DNA and Associates with the Nucleoid in Clostridium difficile. Journal of molecular biology, 431(4), 653.