

Resource Summary Report

Generated by [dkNET](#) on Sep 6, 2026

Detection of bacterial pathogens and drug resistance markers using Rolling circle amplification

DOI:10.17504/protocols.io.zp8f5rw

Type: Protocol

Proper Citation

Malte Kühnemund, Ivan Hernandez, Mohd Istiaq Sharif, Matteo Cornaglia, Martin A.M. Gijs, Mats Nilsson 2019. Detection of bacterial pathogens and drug resistance markers using Rolling circle amplification. protocols.io [dx.doi.org/10.17504/protocols.io.zp8f5rw](https://doi.org/10.17504/protocols.io.zp8f5rw)

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.zp8f5rw>

Authors: Malte Kühnemund, Ivan Hernandez, Mohd Istiaq Sharif, Matteo Cornaglia, Martin A.M. Gijs, Mats Nilsson

Group: Molecular Diagnostics - Mats Nilsson Group

Summary: Here is described the protocol used to detect bacteria and antibiotic resistance markers using padlock probes and Rolling circle amplification. This method allows for single-molecule/digital quantification in a semi-quantitative way.

Affiliations: Stockholm University, Science for Life Laboratory, Stockholm University, Science for Life Laboratory, Stockholm University, Science for Life Laboratory, EPFL - EPF Lausanne, EPFL - EPF Lausanne, Stockholm University, Science for Life Laboratory

External URL: <https://academic.oup.com/nar/article/45/8/e59/2888443>

Version: 1

Publication Date: 2019

Proper Citation: Malte Kühnemund, Ivan Hernandez, Mohd Istiaq Sharif, Matteo Cornaglia, Martin A.M. Gijs, Mats Nilsson 2019. Detection of bacterial pathogens and drug resistance markers using Rolling circle amplification. protocols.io [dx.doi.org/10.17504/protocols.io.zp8f5rw](https://doi.org/10.17504/protocols.io.zp8f5rw)

Record Creation Time: 20210329T220528+0000

Record Last Update: 20210329T220936+0000

Data and Source Information

Source: