



760 Parkside Avenue, #327C
Brooklyn, NY 11226
Tel: +1 (646) 504-5697
Fax: +1 (646) 792-4724
contact@lucernatechnologies.com

CERTIFICATE OF ANALYSIS

Product Name: Cyclic-di-GMP Assay (100 reactions)

Product No: 200-100

Lot or Batch No: 200724

Expiration Date: 12/2023

Storage Temperature: -80°C

Component	Lot #	QC Results
c-di-GMP Sensor	200724	Pass
c-di-GMP	200724	Pass
DFHBI-1T Fluorophore	200724	Pass
4X c-di-GMP Assay (CA) Buffer	200724	Pass
4X Bacterial Compatibility (BC) Buffer	200724	Pass
RNase-Free Water	200724	Pass

Assay Name/Specification	Lot #200724
Specific Activity Testing: A 80 µL reaction in the presence of 300nM c-di-GMP sensor, 1X CA assay buffer, and 10µM DFHBI-1T fluorophore is incubated at room temperature and measure on a fluorescent plate reader. The assay achieved a Z factor of >0.8 when using 31.25nM of c-di-GMP (positive control) and 31.25nM of GMP (negative control).	Pass
Dynamic Range Testing: A 80 µL reaction in the presence of 300nM c-di-GMP sensor, 1X CA assay buffer, 31.25-500nM c-di-GMP, and 10µM DFHBI-1T fluorophore is incubated at room temperature and measure on a fluorescent plate reader. The assay showed a linear fit in the standard curve evaluated between 31.25nM and 500nM of c-di-GMP. The slope of the curve is 0.5 +/- 10%	Pass

This product has been tested and shown to be in compliance with all specification.

Date of release: December 20, 2022

By: Ryan O'Hanlon, Production Scientist

Lucerna, Inc.

lucernatechnologies.com