



Certificate of Analysis

Identification of the product

Product Name *miRpredX 31-3p*

Catalogue Number *IG-500-001*

Production Date *03/2018*

Lot Number *#IG180401*

Expiration Date *09/2019*

Components

Components	Lot number	Results
<i>Standard 1</i>	<i>#A180301</i>	<i>PASS</i>
<i>Standard 2</i>	<i>#B180301</i>	<i>PASS</i>
<i>Standard 3</i>	<i>#C180301</i>	<i>PASS</i>
<i>Standard 4</i>	<i>#D180301</i>	<i>PASS</i>
<i>NTP Premix A</i>	<i>#E180301</i>	<i>PASS</i>
<i>RT Premix B</i>	<i>#F180301</i>	<i>PASS</i>
<i>miR-31-3p Primer</i>	<i>#G180301</i>	<i>PASS</i>
<i>miR-Calibrator Primer</i>	<i>#H180301</i>	<i>PASS</i>
<i>qPCR Master Mix</i>	<i>#I180301</i>	<i>PASS</i>
<i>miR-31-3p Probe</i>	<i>#J180301</i>	<i>PASS</i>
<i>miR-Calibrator Probe</i>	<i>#K180301</i>	<i>PASS</i>
<i>Water, nuclease free</i>	<i>#L180301</i>	<i>PASS</i>

Analysis procedure

Volume PCR sample (µL)	<i>2,7</i>
Volume PCR mix (µL)	<i>15</i>
Master Mix reference (Supplier)	<i>Universal PCR Master Mix, No AmpErase UNG</i>
Real Time PCR equipment	<i>Quant Studio 5 (Applied BioSystem)</i>

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Quality Control Results by Real Time PCR

Testing	Specifications	Actual	Results
Positive control – Δ Ct of standards 2	$2.80 \pm 0,5$	2.70	PASS
Positive control – Average miR-31-3p Ct for 50 ng of Standards	21 - 27	25.35	PASS
r^2 (correlation coefficient) miR-31-3p	≥ 0.98	0.9946	PASS
Slope miR-31-3p	[-2.9 ; -3.9]	-3.29	PASS
r^2 (correlation coefficient) miR-calibrator	≥ 0.98	0.9914	PASS
Slope miR-calibrator	[-2.9 ; -3.9]	-3.07	PASS
Average NTC-RT (No Template Control)	$Ct \geq 39$ or Undetermined	Undetermined	PASS
Average NTC-qPCR (No Template Control)	$Ct \geq 39$ or Undetermined	Undetermined	PASS

Inspection

Testing	Specifications	Results
Labels Correct and Intact	Conforms	PASS
Caps sealed	Conforms	PASS

Approval

Note: According to change control #1807-012 and stability study, the validity date is extended 6 months.

This lot has been reviewed by Quality Assurance in compliance with IntegraGen's Quality Management System.

Performed by: Lucas Ramon

Quality Control, Manager

Date: Tuesday, 17 July 2018

Approved by: Catherine David

Quality Assurance / Quality Control, Director

Date: Tuesday, 17 July 2018

Visa:



Visa:

