

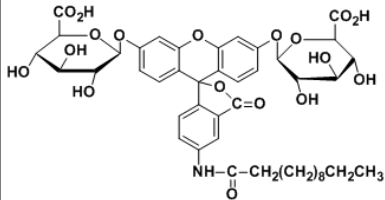
## Kit Certificate of Analysis

(C of A)

Name:	ImaGene G C <sub>12</sub> FDGlcU GUS Gene Expression Kit		
Catalog Number:	8026	Kit Lot:	51246

## Components

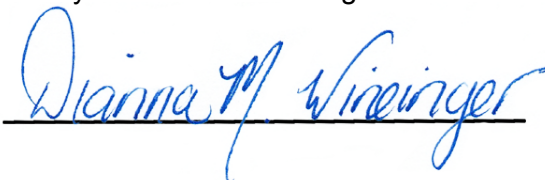
Component ID	Name	Unit Size	Number of Units	Production Lot
8026-A	C12FDGlcU *10mM in 50% DMSO / 50% water*	1 mL	1	15886
8026-B	D-Glucaric acid-1,4-lactone *20mM in water*	1 mL	1	15885

Certificate of Analysis (C of A)			
Name:	ImaGene G C <sub>12</sub> FDGlcU GUS Gene Expression Kit Component A: C <sub>12</sub> FDGlcU *10mM in 50% DMSO / 50% water*		
Catalog Number:	8026-A	Lot:	51246
CAS Number:	N/A	Formula:	C <sub>44</sub> H <sub>51</sub> NO <sub>18</sub>
Molecular Weight:	881.87 (g/mol)		
	Observed	Standard	
HPLC Purity:	98% at 254 nm	≥ 90% at 254 nm	
Absorption (Methanol)			
Wavelength (λ <sub>max</sub> ):	290 nm	290 ± 3 nm	
Extinction:	6,700 cm <sup>-1</sup> M <sup>-1</sup>	6,500 ± 500 cm <sup>-1</sup> M <sup>-1</sup>	
Fluor Bkgd:	< 10 ppm	< 100 ppm at 518nm	
Comments:	Avoid frequent freeze/thaw. Substrate should be divided and aliquoted to minimize decomposition. Stable for six months when stored frozen.		
Storage:	Freeze: Store at -5 to -30°C (F), Protect from light (L)		
Production Lot:	15886	Release:	06-Oct-2017
		Expiration:	06-Oct-2018
Structure:			

This data reflects the accuracy of the analysis of the subject lot  
 For research use only. Not for human use. No animal source.  
 This material is chemically synthesized and manufactured in the USA

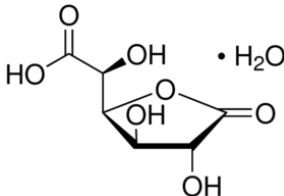
**Approved by:** Dianna M Wineinger  
 Analytical Services Manager

**Date:** 06-Oct-2017

**Signature:** 

## Certificate of Analysis

(C of A)

Name:	ImaGene G C <sub>12</sub> FDGlcU GUS Gene Expression Kit Component B: D-Glucaric acid-1,4-lactone *20mM in water*				
Catalog Number:	8026-B	Lot:		51246	
CAS Number:	61278-30-6	Formula:		C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> · H <sub>2</sub> O	
Molecular Weight:	210.14 (g/mol)				
	Observed		Standard		
Solid Melting Point:	97-99 C		97-99 C		
Comments:	Avoid frequent freeze/thaw. Substrate should be divided and aliquoted to minimize decomposition. Stable for six months when stored frozen.				
Storage:	Freeze: Store at -5 to -30°C (F), Protect from light (L)				
Production Lot:	15885	Release:	20-Sep-2017	Expiration:	06-Oct-2018
Structure:					

This data reflects the accuracy of the analysis of the subject lot  
 For research use only. Not for human use. No animal source.  
 This material is chemically synthesized and manufactured in the USA

**Approved by:** Dianna M Wineinger  
 Analytical Services Manager

**Date:** 20-Sep-2017

**Signature:** 