D-Fructose/D-Glucose Assay Kit Liquid Ready™

Method for the Detection of Total Sugars

! *PLEASE READ KIT INSTRUCTIONS COMPLETELY BEFORE PERFORMING TEST*

SKU: 700007621

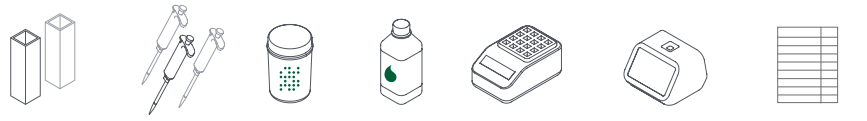
Reference Code	K-FGLQR
Recommended Working Range	0.025 g/L - 1.5 g/L
Limit of Detection	0.006 g/L
Limit of Quantification	0.016 g/L

MATERIALS

Kit Contents:

2 x 50 mL Reagent 1 (R1) | 2 x 12.5 mL Reagent 2 (R2) | 2 x 12.5 mL Reagent 3 (R3) | 5 mL Standard

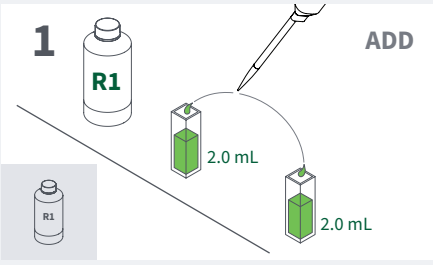
Additional Tools Needed:



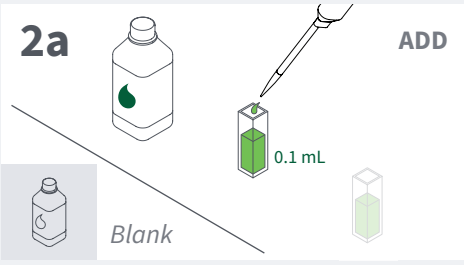
Cuvettes | Pipettes | Sample[1] | DI Water | Incubator[2] | Spectrophotometer | Calculator (Mega-Calc™)[3]

TEST PROCEDURE

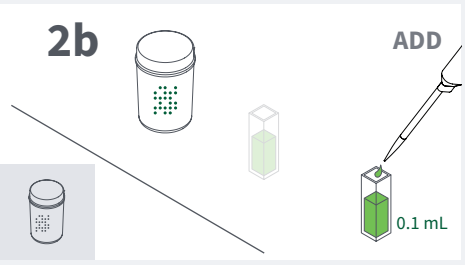
It is recommended that all samples are analysed in duplicate.
In the manual assay procedure the standard solution is only assayed to verify test performance. Use 0.1 mL in place of sample.



- Add **2.0 mL of REAGENT 1** to each cuvette

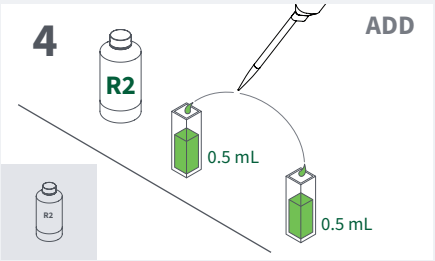


- Add **0.1 mL of WATER** to one cuvette
- Mix[4]

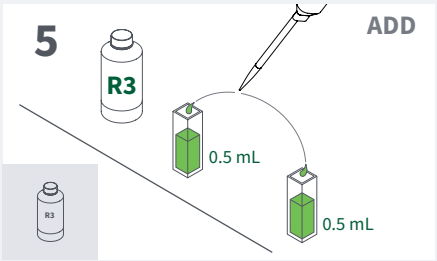


- Add **0.1 mL of SAMPLE**[1] to other cuvette
- Mix[4]

- Incubate at 20-37°C, for **3 minutes**
- Place in spectrophotometer set at **340 nm**, read absorbance **(A1)**



- Add **0.5 mL of REAGENT 2** to each cuvette
- Mix[4]



- Add **0.5 mL of REAGENT 3** to each cuvette
- Mix[4]

- Incubate at 20-37°C, for **15 minutes**
- Place in spectrophotometer set at **340 nm**, read absorbance **(A2)**[3]

[1] Refer to kit instructions for sample preparation prior to analysis.

[2] An incubator is not required if ambient temperature is in the range of 20-37°C.

[3] The Mega-Calc tool (available from the product page) can be used to simplify results calculation.

[4] Mix thoroughly either by aspiration with the pipette tip used to dispense the liquid or by gentle inversion after sealing the cuvette. Use a new pipette tip each time you collect a new solution.

Product Page

Megazyme by NEOGEN

Neogen Corporation, 620 Lesher Place, Lansing, MI 48912 USA.

D-Fructose/D-Glucose Assay Kit Liquid Ready™

Method for the Sequential Detection of Fructose and Glucose

! *PLEASE READ KIT INSTRUCTIONS COMPLETELY BEFORE PERFORMING TEST*

SKU: 700007621

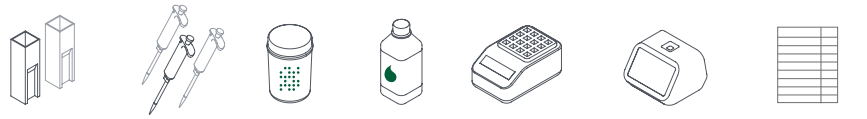
Reference Code	K-FGLQR
Recommended Working Range	0.025 g/L - 1.5 g/L
Limit of Detection	0.006 g/L
Limit of Quantification	0.016 g/L

MATERIALS

Kit Contents:

2 x 50 mL Reagent 1 (R1) | 2 x 12.5 mL Reagent 2 (R2) | 2 x 12.5 mL Reagent 3 (R3) | 5 mL Standard

Additional Tools Needed:

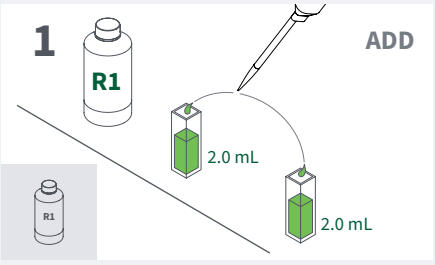


Cuvettes | Pipettes | Sample[1] | DI Water | Incubator[2] | Spectrophotometer | Calculator (Mega-Calc™)[3]

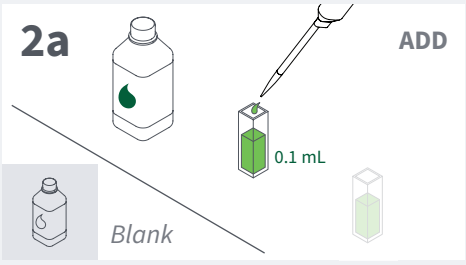
TEST PROCEDURE

It is recommended that all samples are analysed in duplicate.

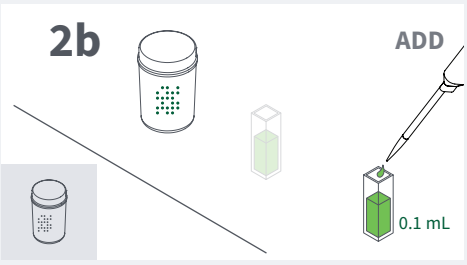
In the manual assay procedure the standard solution is only assayed to verify test performance. Use 0.1 mL in place of sample.



- Add **2.0 mL of REAGENT 1** to each cuvette

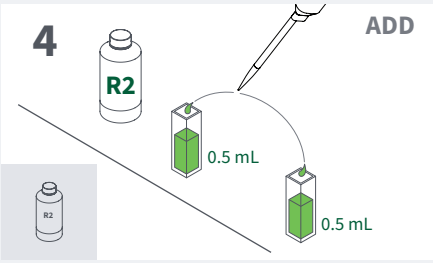


- Add **0.1 mL of WATER** to one cuvette
- Mix[4]



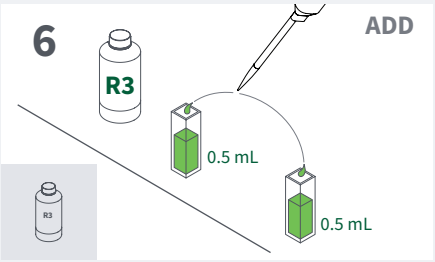
- Add **0.1 mL of SAMPLE**[1] to other cuvette
- Mix[4]

- Incubate at 20-37°C, for **3 minutes**
- Place in spectrophotometer set at **340 nm**, read absorbance **(A1)**



- Add **0.5 mL of REAGENT 2** to each cuvette
- Mix[4]

- Incubate at 20-37°C, for **5 minutes**
- Place in spectrophotometer set at **340 nm**, read absorbance **(A2)**[3]



- Add **0.5 mL of REAGENT 3** to each cuvette
- Mix[4]

- Incubate at 20-37°C, for **15 minutes**
- Place in spectrophotometer set at **340 nm**, read absorbance **(A3)**

[1] Refer to kit instructions for sample preparation prior to analysis.

[2] An incubator is not required if ambient temperature is in the range of 20-37°C.

[3] The Mega-Calc tool (available from the product page) can be used to simplify results calculation.

[4] Mix thoroughly either by aspiration with the pipette tip used to dispense the liquid or by gentle inversion after sealing the cuvette. Use a new pipette tip each time you collect a new solution.

Product Page

Megazyme by NEOGEN

Neogen Corporation, 620 Lesher Place, Lansing, MI 48912 USA.