

QUANTOFIX® Total Sugar

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Description

QUANTOFIX® Total Sugar are test strips for semi-quantitative detection of the monosaccharides fructose and glucose. QUANTOFIX® Total Sugar test strips are suitable for reflectometric evaluation with the QUANTOFIX® Relax (REF 913 46) as well.

Pack content:

- 1 aluminium container with 100 test strips
- 1 bottle of Fru/Glu-1
- 1 measuring vessel with 10-mL calibration mark
- 2 syringes (1 mL and 10 mL)

Measuring range:

Visual measurement
55 – 800 mg/L fructose/glucose

Reflectometric measurement
55 – 700 mg/L fructose/glucose

Color gradation:

0 – 55 – 100 – 250 – 400 – 600 – 800 mg/L fructose/glucose

Safety precautions:

Reagent Fru/Glu-1 contains tris(hydroxymethyl)aminomethane 10–30% CAS 77-86-1. WARNING. With reduced labelling acc. CLP Annex I chapter 1.5.2.1. For further information, please ask for safety data sheet (*see www.mn-net.com/MSDS*).

General indications:

Remove only as many test strips as are required. Close the container immediately after removing a strip. Do not touch the test field, and protect them from light.

Instructions for use:

- Mix 1 mL of sample with
 - 10 mL of demineralised water.
 - Add 5 drops of Fru/Glu-1.
 - Mix by swirling the reaction vessel.
 - Dip test strip into the prepared test solution for 2 seconds.
 - Shake off excess liquid.
 - Compare the test field with the colour scale after exactly 10 minutes.
- The reaction colour of the test field may continue to change after elapse of the reaction time. It is therefore important to perform the evaluation at the specified time in order to achieve a correct result.

Interferences:

Determination is not disturbed by the following maximum concentrations of impurities (tested with 0 and 400 mg/L of total sugar solutions / 1:1 mixture of fructose/glucose):
2000 mg/L: Na⁺, Mg²⁺, Ca²⁺, NH₄⁺, Cl⁻, SO₄²⁻
1000 mg/L: K⁺, Zn²⁺, NO₃⁻, NO₂⁻, H₂PO₄⁻/HPO₄²⁻, SO₃²⁻
750 mg/L: Ascorbic acid, Fe³⁺
20 mg/L: Cu²⁺

Notes

After addition of the reagent Fru/Glu-1, the pH of the sample solution should be between 7.0 and 8.0.

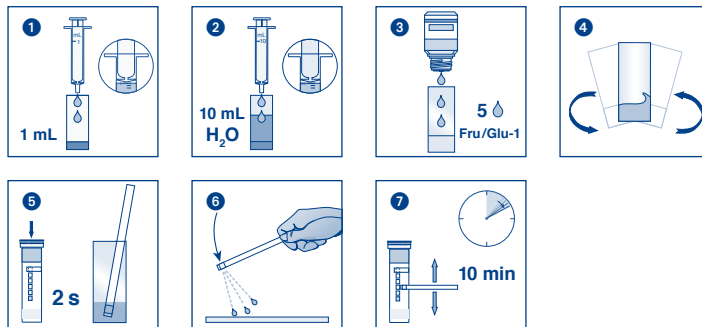
If the test strips indicate a value of more than 800 mg/L, the sample is to be diluted until the total sugar content is within the measuring range of the test paper. Allow for the dilution factor when stating the content.

Disposal:

The used analysis specimens can be flushed down the drain with tap water and channeled off to the local sewage treatment works. Used test strips can be disposed in household waste.

Storage:

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature 2–8 °C / 36–46 °F).
If correctly stored, the test kit may be used until the use-by-date printed on the packaging.



REF	Artikelnummer / Item number / Référence produit / Referencia / Artikelnummer / Numero di catalogo / Numer artykułu	LOT	Chargencode / Batch identification / Numéro de lot / Código de lote / Productienummer / Codice del lotto / Numer partii
!	Achtung! / Warning! / Attention! / ¡Atención! / Let op! / Attenzione! / Uwaga!	!	Verwendbar bis / Use by / À utiliser avant / Fecha de caducidad / Te gebruiken tot / Utilizzare entro (anno / mese) / Przydatność do użycia
!	Temperaturbegrenzung / Permitted storage temperature range / Limites de température / Limites de temperatura / Temperatuurbegrenzung / Limite de temperatura / Ograniczenie temperatury	!	Trocken aufbewahren / Store in a dry place / Conserver au sec / Mantener seco / Op een droge plaats bewaren / Mantener asciutto / Przechowywać w suchym miejscu
!	Gebrauchsanweisung beachten / Please read instructions for use / Respecter les instructions d'utilisation / Observense las instrucciones de uso / Lees de bijsluiting / Consultare le istruzioni per l'uso / Przestrzegać instrukcję użycia	!	Packung geschlossen halten / Keep container closed / Refermer la boîte / Mantenga el envase cerrado / Verpakking gesloten houden / Conservare la confezione chiusa / Przechowywać pojemnik szczelnie zamknięty
Σ	Ausreichend für <n> Prüfungen / Contains sufficient for <n> tests / Contenu suffisant pour <n> tests / Contenido suficiente para <n> tests / Voldoende voor <n> tests / Contenuto sufficiente per <n> test / Wystarczająco dla kontroli <n>		