Product overview

In Abcam’s Fructose Assay Kit, free fructose is enzymatically converted to β-glucose, which is then specifically converted to a product that reacts with OxiRed Probe to generate color (λ=570nm) and fluorescence (Ex/Em=535/587nm). The kit provides a rapid, simple, sensitive, and reliable method suitable for high throughput assay of D-fructose. Do not use this kit with urine, serum, or plasma samples.

Visit our FAQs page for tips and troubleshooting.

Notes

Fructose is a monosaccharide found in many foods and is one of the three most important blood sugars along with glucose and galactose. Fructose is the sweetest naturally occurring sugar, estimated to be twice as sweet as sucrose.

Abcam has not and does not intend to apply for the REACH Authorisation of customers’ uses of products that contain European Authorisation list (Annex XIV) substances.

It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses.

Storage instructions

Store at -20°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>Identifier</th>
<th>100 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enzyme Mix (lyophilized)</td>
<td>Green</td>
<td>1 vial</td>
</tr>
<tr>
<td>Fructose Assay Buffer</td>
<td>WM</td>
<td>1 x 25ml</td>
</tr>
<tr>
<td>Fructose Converting Enzyme (Lyophilised)</td>
<td>Purple</td>
<td>1 vial</td>
</tr>
</tbody>
</table>
Relevance

Fructose is a monosaccharide found in many foods and is one of the three most important blood sugars along with glucose and galactose. Fructose is the sweetest naturally occurring sugar, estimated to be twice as sweet as sucrose.

Images

Fructose levels banana, determined using the colorimetric (C) and the fluorometric (F) method (presented per mg of protein) (duplicates; +/- SD).

Fructose levels in mouse liver and banana, determined using the colorimetric method and presented per mg of protein (duplicates; +/- SD).

Titration of the fructose (background subtracted, duplicates; +/- SD).

<table>
<thead>
<tr>
<th>Components</th>
<th>Identifier</th>
<th>100 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fructose Standard (100mM)</td>
<td>Yellow</td>
<td>1 x 100µl</td>
</tr>
<tr>
<td>OxiRed Probe in DMSO</td>
<td>Red</td>
<td>1 x 200µl</td>
</tr>
</tbody>
</table>
Fluorometric Fructose Standard Curve performed following the ab83380 kit protocol.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors