

eBOC



DEVICES

eBQC lab



eBQC-lab

e-BQC is a portable device, patent pending, designed to measure, in a direct way, the antioxidant capacity of liquid samples. The result is obtained in less than a minute and with only one drop of sample.



Antioxidants in the sample reduced → Antioxidants oxidized

CHARACTERISTICS

The results are given as two charge values:

- Q1 (fast antioxidants) : Refers to the antioxidant capacity of the compounds with the highest rate of free radical scavenging.
- Q2 (slow antioxidant): Refers to the antioxidant capacity of the compounds with a lower rate of free radical scavenging.

ADVANTAGES

- Freedom to use any solvent and buffer
- Distinguish between fast and slow antioxidants.
- Transform the results to any classical antioxidant standard: CEAC, TEAC or GAE in your specific experimental conditions.
- Lower detection limits.
- Fast and easy procedure
- Portable

eBQC lab CEAC

COMING SOON

eBQC-lab-CEAC

e-BQC is a portable device, patent pending, designed to measure, in a direct way, the antioxidant capacity of liquid samples. The result is obtained in less than a minute and with only one drop of sample.



Antioxidants in the sample reduced → Antioxidants oxidized

CHARACTERISTICS

The results are given as:
Total charge (Qt) and CEAC (Vitamin C Equivalents of Antioxidant Capacity)

ADVANTAGES

- Comprehensible results in both Qt and CEAC without the need to make a previous standard curve
- Fast and easy procedure
- Portable
- Lower detection limits





STRIPS

eBQC strips



ebqc-strips

e-BQC works with disposable strips with an inert carbon material to dispense the drop on. Available in 4 sizes according to your necessities:

-  50 units
-  250 units
-  500 units
-  1000 units



STANDARDS

Ascorbic acid

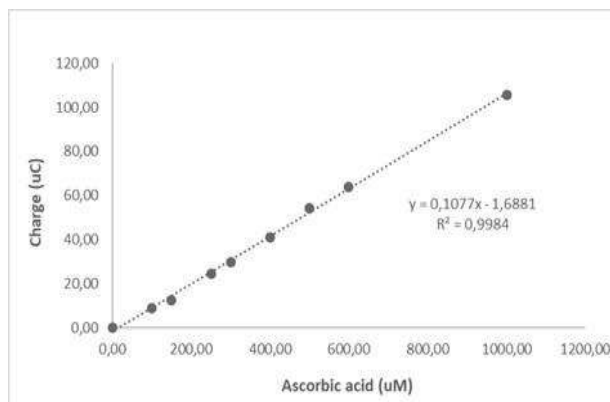


ST08001

Ascorbic acid or Vitamin C is the strongest natural water-soluble antioxidant, commonly used to measure antioxidant capacity. It is present in biological samples, like plasma, and food samples as a natural component of fruit and vegetables or as an additive. Bioquochem offers Ascorbic Acid Standard for its use with the e-BQC device.

Recommended uses: To compare the e-BQC results (μC) to classical antioxidant capacity units of Vitamin C Antioxidant Capacity Equivalents (CEAC). It could be used for both biological and food samples.

Size: 5 x 1 ml





Gallic Acid

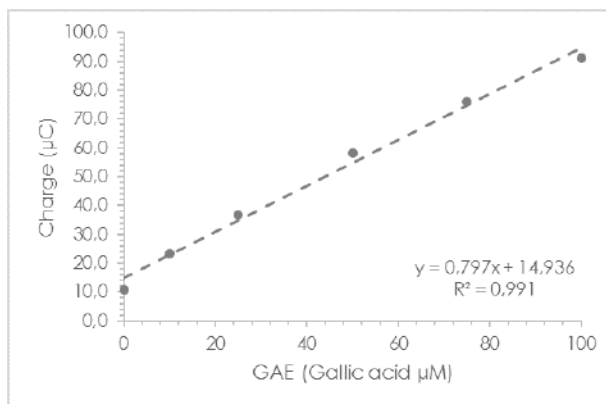
NEW

ST08002

Gallic acid is a polyphenol produced by plants, which shows antioxidant properties. It is commonly used to measure polyphenol concentration but could also be used to measure antioxidant capacity. It is present in a wide variety of plant-based food samples.

Recommended uses: To compare the e-BQC results (μC) to classical antioxidant capacity units of Gallic acid Antioxidant Capacity Equivalents (GAE). It could be used for biological and food samples.

Size: 5 x 1ml



TROLOX

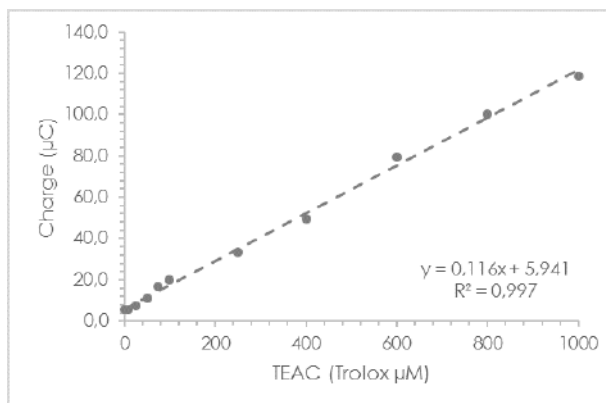
NEW

ST08003

Trolox is a water soluble analog of tocopherol (Vitamin E) which is a very strong antioxidant, commonly used to measure antioxidant capacity. Vitamin E is present in biological samples, like plasma, and food samples as a natural component of fruit and vegetables

Recommended uses: To compare the e-BQC results (μC) to classical antioxidant capacity units of TROLOX Antioxidant Capacity Equivalents (TEAC). It could be used for biological samples.

Size: 5 x 1ml



Antioxidant mix

NEW

ST08003

One vial of several antioxidants: ascorbic acid, Trolox and gallic acid.

Recommended uses: To compare the e-BQC results (μC) to classical antioxidant capacity units of TROLOX Antioxidant Capacity Equivalents (TEAC). It could be used for biological samples.

Size: 3 x 1 ml



BUFFERS

Nutrition buffer

NEW

ST08005

0.1 M phosphate buffer solution pH 5.8 ready-to-use. This solution does not contain calcium or magnesium. Maintains the stability of the ascorbic acid in its natural conditions.

Recommended uses: To dilute samples of food and beverages, or antioxidant standards. Compatible with e-BQC lab device.

Size: 125 ml / 500 ml



Bio-Buffer

NEW

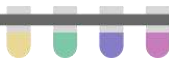
ST08006

1X filtered PBS solution pH 7.4 ready-to-use. This solution does not contain calcium or magnesium. It has similar physicochemical conditions as the human body, such as pH, osmolarity and ion concentrations.

Recommended uses: cell cultures and tissue extracts. The only buffer compatible with the e-BQC CEAC (coming soon).

Size: 125 ml / 500 ml





General Buffer



ST08007

0.1 M phosphate buffer solution pH 7 ready-to-use. This solution does not contain calcium or magnesium.

Recommended uses: To dilute samples with low requirements, or antioxidant standards. Compatible with e-BQC lab device.

Size: 125 ml / 500 ml

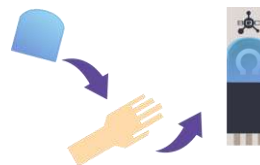


OTHER ACCESORIES

Conductive Hydrogels

COMING SOON

The conductive hydrogels are designed to measure skin in vivo. Stick them to the skin and let them sit for 2 minutes, then put them in the electrode and measure.



Adhesive mesh

COMING SOON

The adhesive mesh is designed to measure blood directly without any pretreatment. Stick to the electrode and apply the blood on top of it. The mesh will remove the interferences without further complications.

