



ISTITUTO ITALIANO  
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## TITLE

Portable colorimetric method for quick naked-eye determination of the antioxidant ability of biological fluids and food

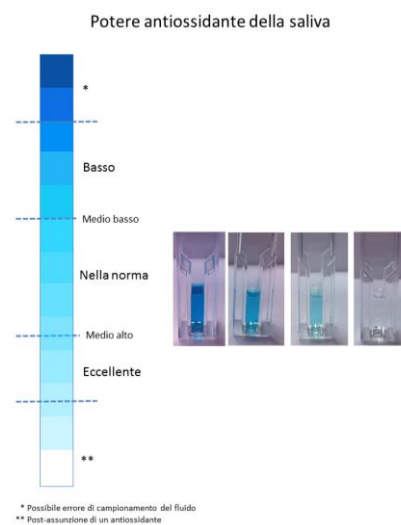
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## DESCRIPTION

The method of the invention essentially consists in placing the sample in contact with an aqueous solution of platinum nanoparticles, an antioxidant agent and a chromogenic substrate of the peroxidase and thereafter determining the final color of the as obtained solution. The color intensity of the solution is related to the antioxidant ability of the investigated sample. Furthermore, the invention deals with a kit for carrying out the above-described method.

The kit and method of the present invention are preferably applied to biologic samples, such as saliva, urine, sweat, blood or food, such as oils and fruit juices.



## APPLICATIONS

Health and wellness monitoring, anti-ageing medicine

## KEYWORDS

Colorimetric analysis, antioxidant agents determination, peroxidase inhibition

## BIBLIOGRAPHIC DATA

Procedimento per determinare la capacità antiossidante di un campione biologico e relativo kit

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