

Mediator modified screen-printed carbon electrodes

01

OXIDASE ENZYME MEDIATORS

Ref. F10, 410, 710, 110MNPB, 110FEPH

Oxidase enzyme mediators are electrochemical species that facilitate the oxidation of hydrogen peroxide at lower detection potentials.

Specifications by modification:

F10

Ferrocyanide modified SPCEs

- *Working electrode:* ferrocyanide/carbon
- *Auxiliary electrode:* carbon
- *Reference electrode:* silver
- *Pack includes:* 50 units
- *Possible applications:* enzymatic biosensors based on oxidases

410

Cobalt(II) phthalocyanine modified SPCEs

- *Working electrode:* cobalt(II) phthalocyanine/carbon
- *Auxiliary electrode:* carbon
- *Reference electrode:* silver
- *Pack includes:* 50 units
- *Possible applications:* enzymatic biosensors based on oxidases

710

Prussian blue modified SPCEs

- *Working electrode:* prussian blue/carbon
- *Auxiliary electrode:* carbon
- *Reference electrode:* silver
- *Pack includes:* 50 units
- *Possible applications:* enzymatic biosensors based on oxidases

110MNPB

Manganese(II) phthalocyanine modified SPCEs

- *Working electrode:* manganese(II) phthalocyanine/carbon
- *Auxiliary electrode:* carbon
- *Reference electrode:* silver
- *Pack includes:* 50 units
- *Possible applications:* enzymatic biosensors based on oxidases

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02

110FEPH

Iron(II) phthalocyanine modified SPCEs

- *Working electrode:* iron(II) phthalocyanine/carbon
- *Auxiliary electrode:* carbon
- *Reference electrode:* silver
- *Pack includes:* 50 units
- *Possible applications:* enzymatic biosensors based on oxidases

DEHYDROGENASE ENZYME MEDIATORS

Ref. 610, 110PHEN

Dehydrogenase enzyme mediators are electrochemical species that facilitate the oxidation of Nicotinamide Adenine Dinucleotide (NADH) at lower potentials.

Specifications by modification:

610

Meldola's blue modified SPCEs

- *Working electrode:* meldola's blue/carbon
- *Auxiliary electrode:* carbon
- *Reference electrode:* silver
- *Pack includes:* 50 units
- *Possible applications:* enzymatic biosensors based in dehydrogenases

110PHEN

Phenanthroline modified SPCEs

- *Working electrode:* phenanthroline/carbon
- *Auxiliary electrode:* carbon
- *Reference electrode:* silver
- *Pack includes:* 50 units
- *Possible applications:* enzymatic biosensors based in dehydrogenases

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Mediator modified screen-printed carbon electrodes

03

- All these references are also available in **single, dual, 4W, 8W** and **96X** formats:



Format: single
Ceramic substrate
Dimensions: L 33 x W 10 x H 0.5 mm
Electric contacts: silver



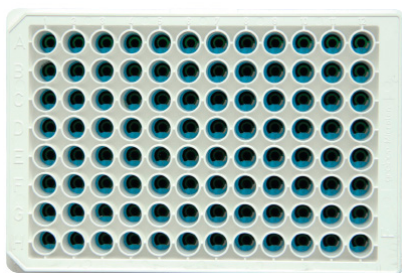
Format: dual
Ceramic substrate
Dimensions: L 33 x W 10 x H 0.5 mm
Electric contacts: silver



Format: 4W
Ceramic substrate
Dimensions: L 38 x W 20 x H 1 mm
Electric contacts: silver



Format: 8W
Ceramic substrate
Dimensions: L 50 x W 27 x H 1 mm
Electric contacts: silver



Format: 96X
PCB substrate and ELISA plate in plastic
Dimensions: L 74 x W 110 x H 0.5 mm
Electric contacts: silver

- These references are commercialized in 50 units/pack.
- The sensors should be stored at room temperature protected from light in a dry place.
- These electrode designs and materials can be **customized** under your specifications and produced in **large volume** quantities upon request. For more information contact at: info.dropsens@metrohm.com

www.metrohm-dropsens.com

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