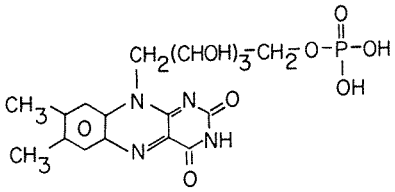
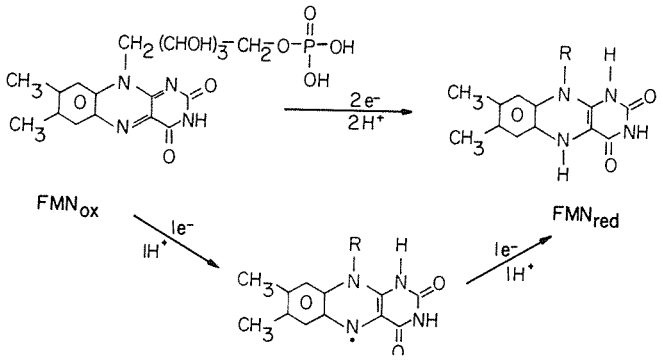
# CV NOTES

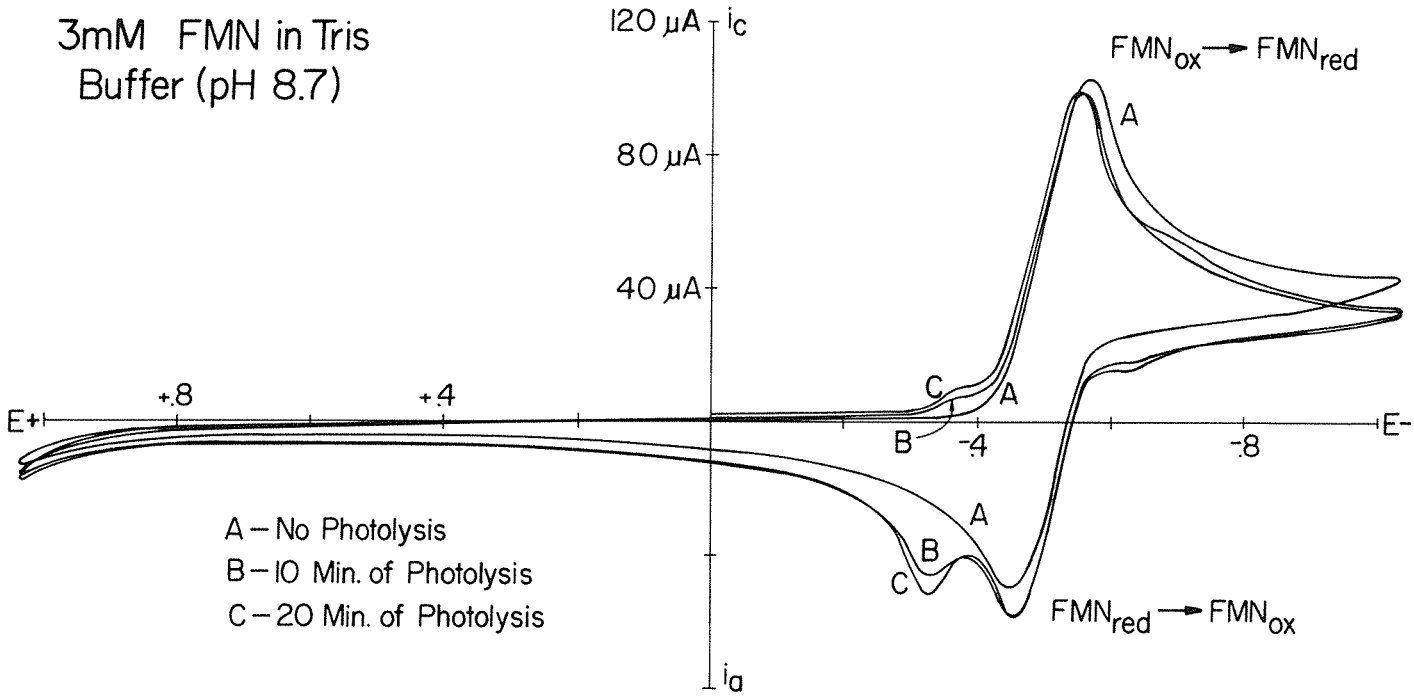
# FLAVIN MONONUCLEOTIDE



Flavin Mononucleotide
(FMN)




3mM FMN in Tris Buffer (pH 8.7)




SAMPLE: Flavin mononucleotide (FMN)

MEDIUM: 160 mM Tris buffer pH 8.7, anaerobic

CONC: 3 mM

RATE: 100 mV/sec

ELECTRODE: CPE

REFERENCE: SCE

MODEL: CV-1B

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Flavin is a common name associated with the redox active prosthetic group of many respiratory enzymes that catalyze oxidation-reduction reactions in biological systems.

In the dark, ($t_o$) and under anaerobic conditions FMN exhibits typical 2e- redox behavior. Upon photolysis, electrochemically active species are produced which grow with increasing photolysis time and pH. It is suspected that these new CV waves correspond to the FMN photoproduct 2'-ketoflavin.

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