

Fig. S1. *CellRox fluorescence in a slice.*

A. Effect of H₂O₂ added to ACSF on the CellRox fluorescence.

B. Fluorescence transients following the exchange of glucose-ACSF for pyruvate-ACSF. Note the absence of fluorescence decline in a region of interest localized within a cell soma while prominent fluorescence decline in a region of interest involving the intracellular space. This effect may be explained by washing out the oxidized dye due to high superfusion rate.

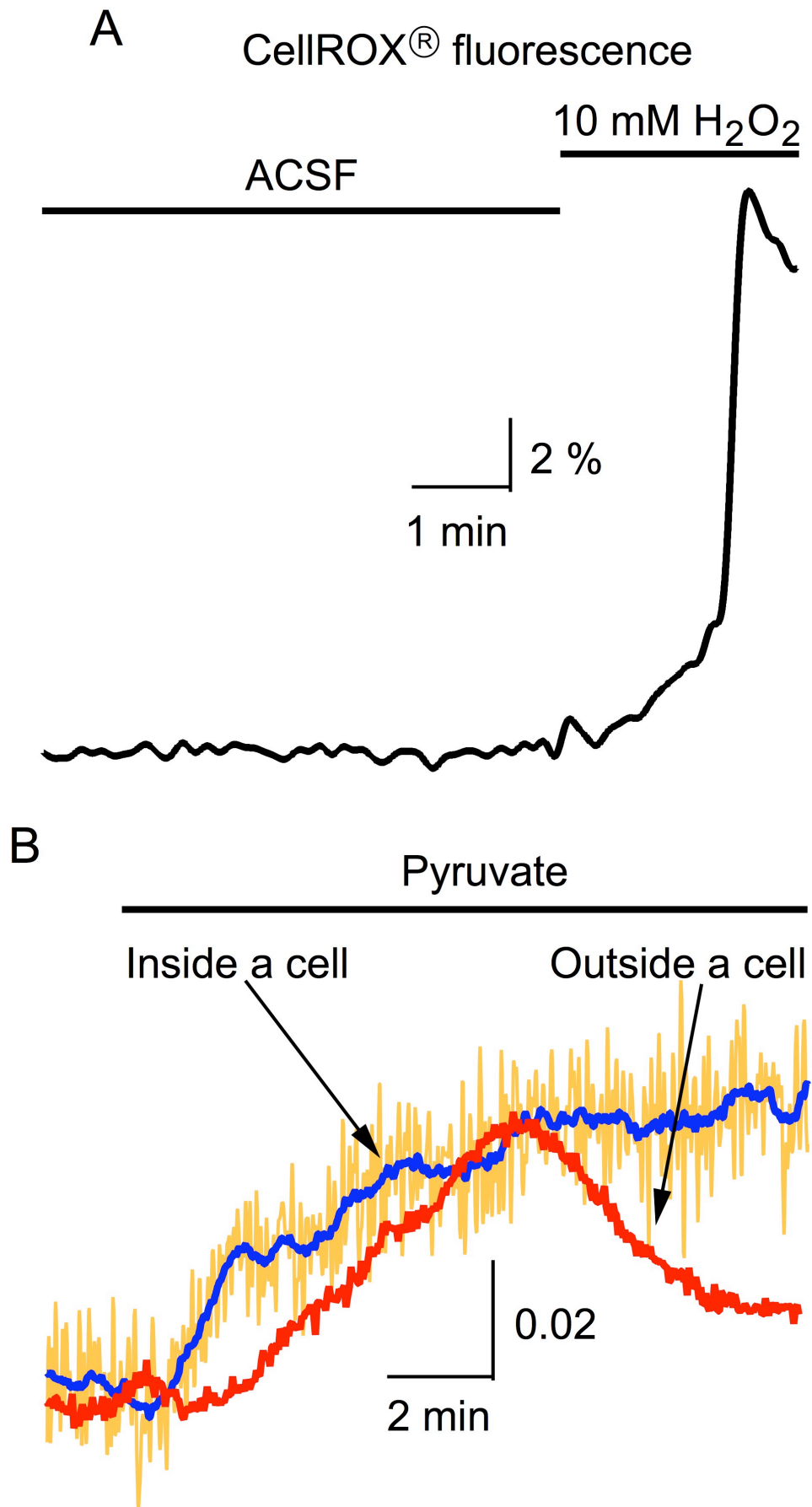
Fig. S2. *Effect of DHEA on network excitability.*

A. Increase of LFPs following application of 0.3 mM DHEA. **B.** Emergence of spontaneous network activity in the presence of DHEA.

Fig. S3. *K⁺-induced spreading depression in mouse cortex.*

Supplementation of Tempol significantly reduced the rate of CSD occurrence although CSD events propagated efficiently.

Figure S1



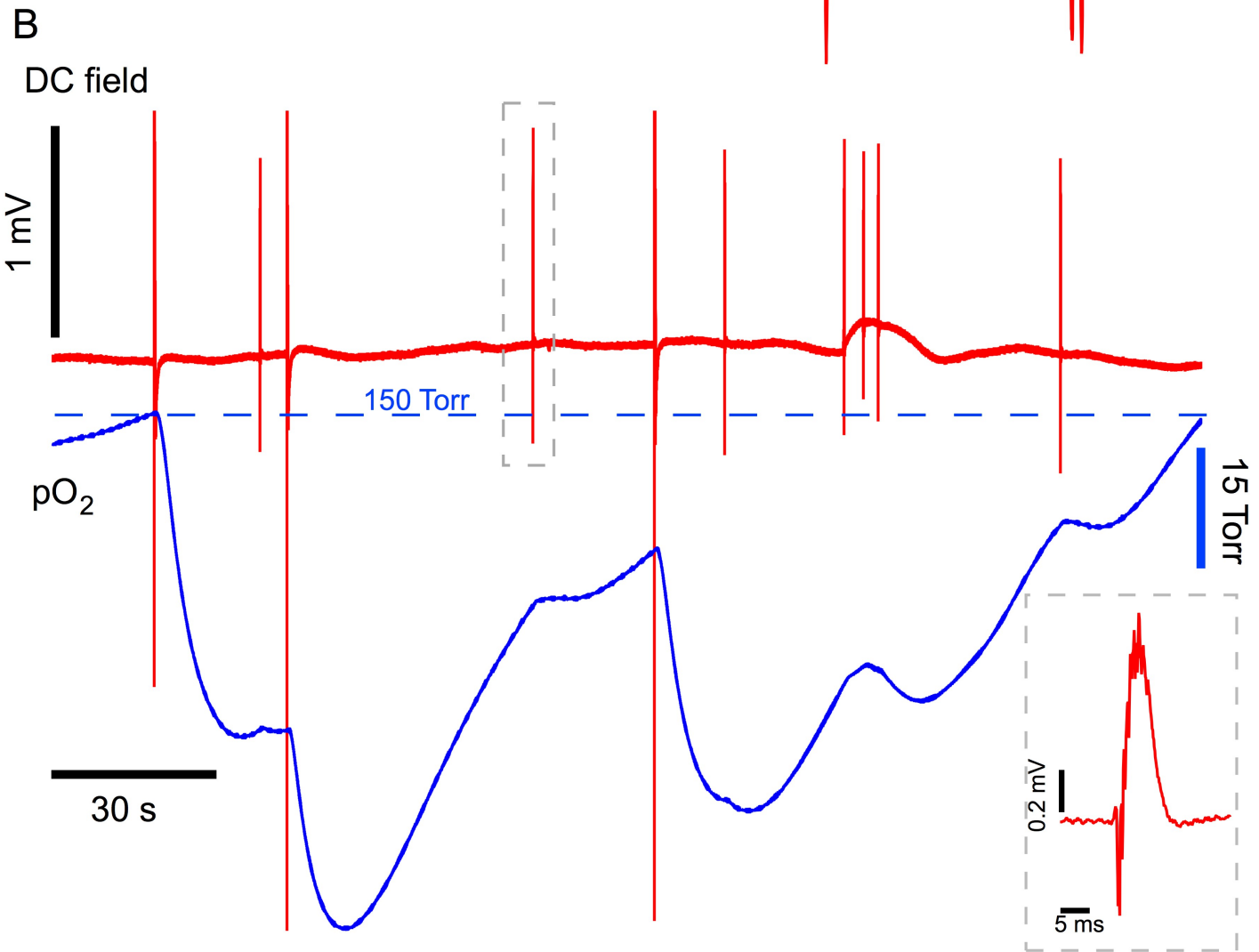


Figure S3

