

# Supplementary Materials

## Figure S1

Description: Two represented examples of blank experiment and experiment with zirconia-ceria mixed oxides:

- Experiment C0, airflow = 12.5 L/min, no catalyst
- Experiment C15R, airflow = 12.5 L/min, catalysts =  $\text{ZrO}_2/\text{CeO}_2$  - Ru, ceria = 20 wt%

