

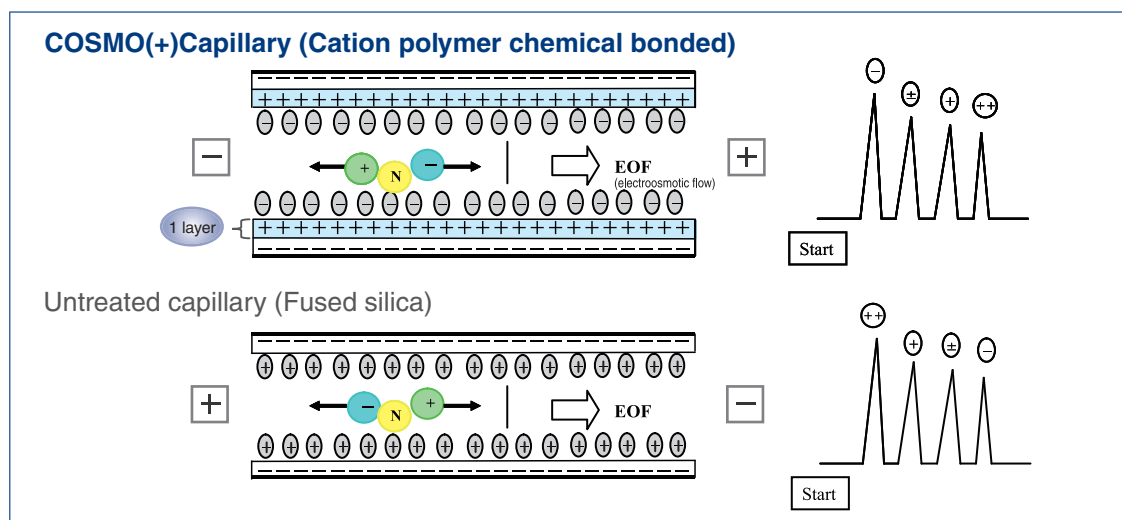
COSMOSIL

# Column for Capillary Electrophoresis COSMO(+)**Capillary**

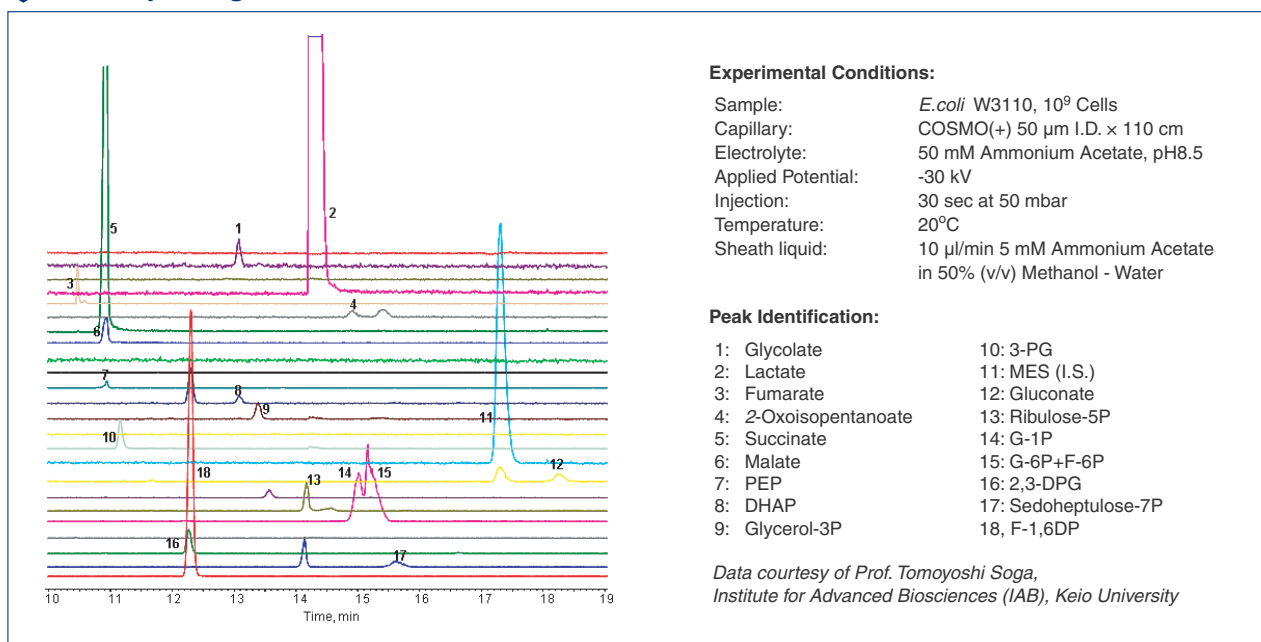
COSMO(+)**Capillary** is cationic polymer coated capillary column. Electroosmotic flow (EOF) is from the cathode (-) to the direction of the anode (+) because of the cationic polymer coating inside of the capillary column.

- **Opposite EOF direction to non-coated capillary**
- **High reproducibility**
- **Applicable over wide pH range (pH 2-10)**

## Comparison of COSMO(+)**Capillary** and Non-coated Capillary

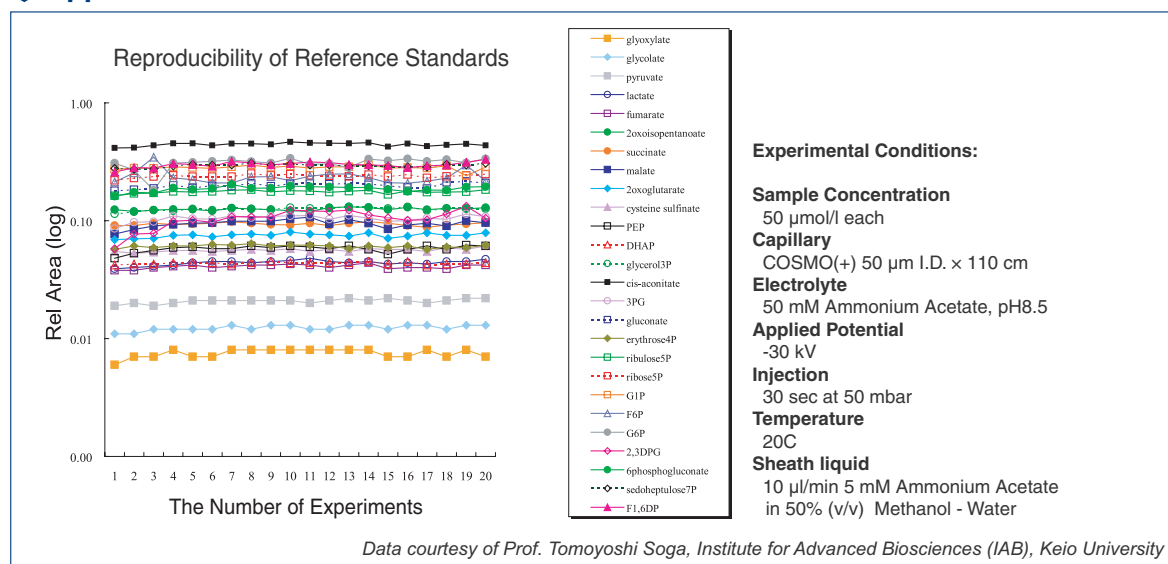


## Electropherograms for *E.coli* Metabolic Extraction

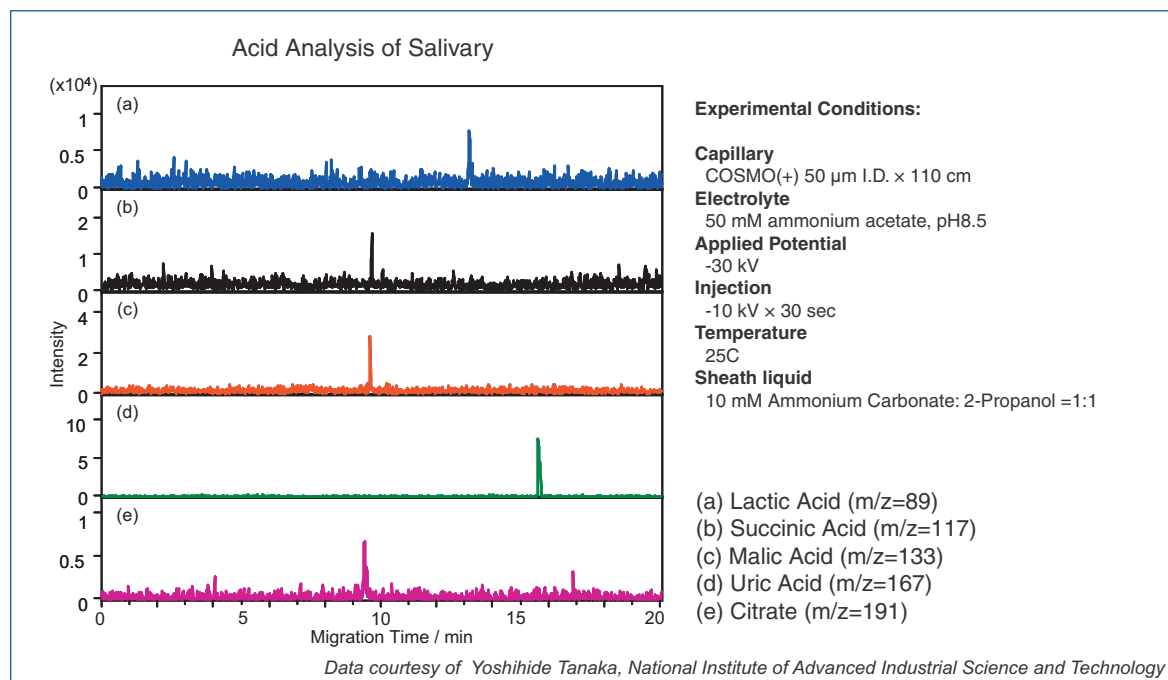


The figure shows the analysis data of various kinds of metabolites. COSMO(+)**Capillary** can analyze them within 20 minutes by electroosmotic flow (EOF) reversal and a sheath liquid consisting of 50 mM ammonium acetate, pH8.5.

## Application Data



The figure shows high reproducibility when COSMO(+)Capillary is used repetitively (26 reference standards).



The COSMO(+)Capillary enables separation of Succinic Acid which fused silica can not separate. Furthermore it has shorter analysis time for other acids than fused silica.

## Ordering Information

Product Name	Product Number	PKG Size
COSMO(+)Capillary (50 $\mu\text{m}$ I.D. $\times$ 120 cm)	07584-44	2 PKG

For research use only, not intended for diagnostic or drug use.