

Slit Seal Evidence Sheet

—Airtightness to AcCN and H₂O—

【Summary】

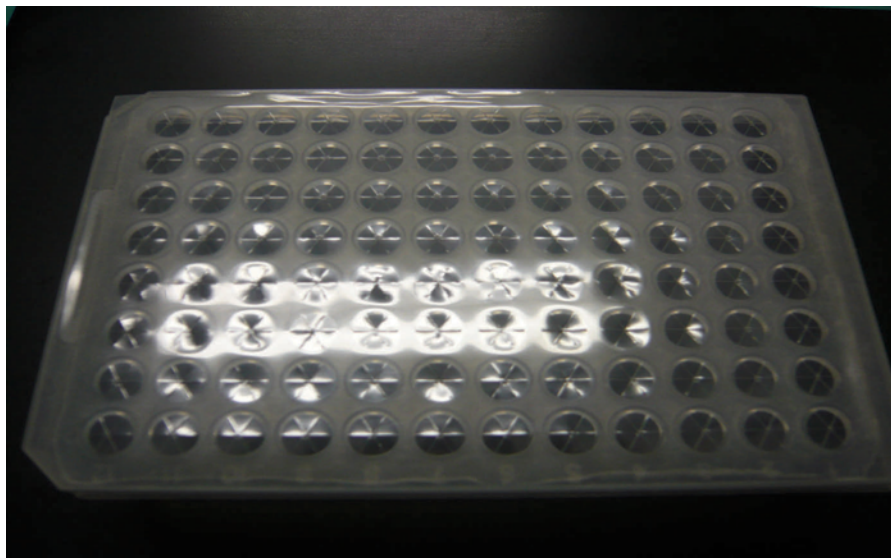
Slit Seal has high airtightness to acetonitrile at 4°C and water at 37°C.

【Method】

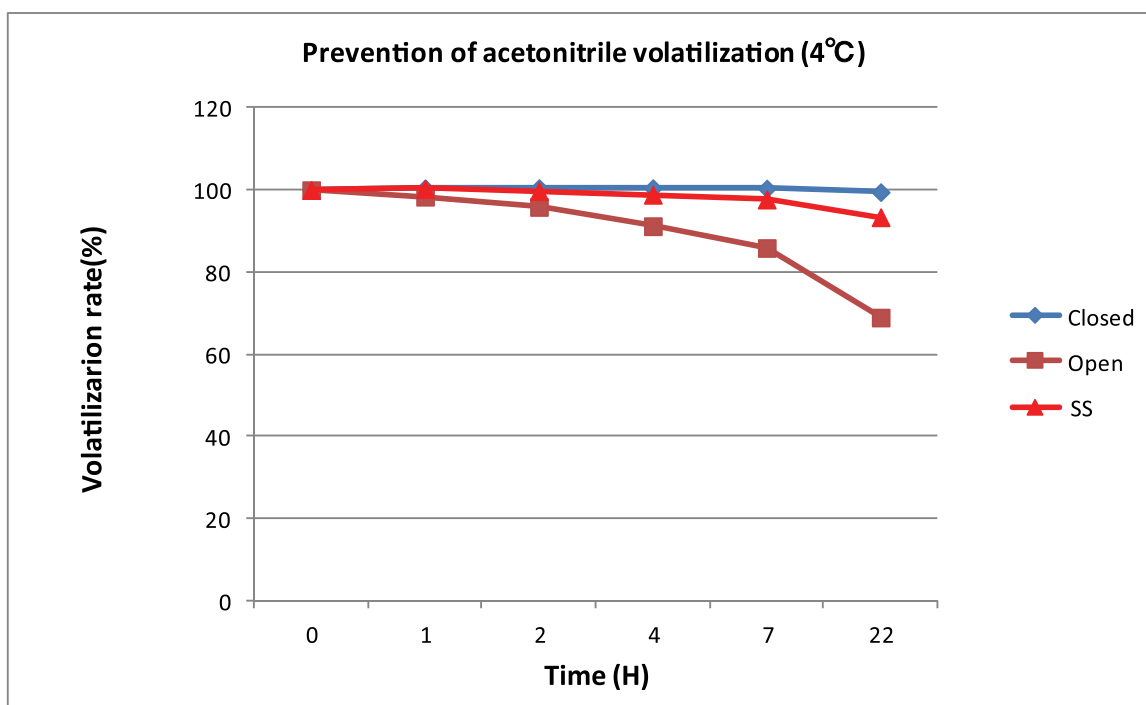
We evaluated the performance of airtightness of Slit Seal by measuring the weight of plates over time for 22 hours. 150 ul of Acetonitrile (AcCN) and water (H₂O) were dispensed to all wells of a 96 well plate. The plates were sealed with Slit Seal and stored at temperature settings of 4°C and 37°C, respectively. As a control for complete closed system, adhesive aluminum seals were used to cover well plates at the same condition. Then, as a control for open system, plates without any cover seals were prepared as described conditions above. The results were presented in percentage of the decrease compared with time zero immediately after the sealing.

【Result】

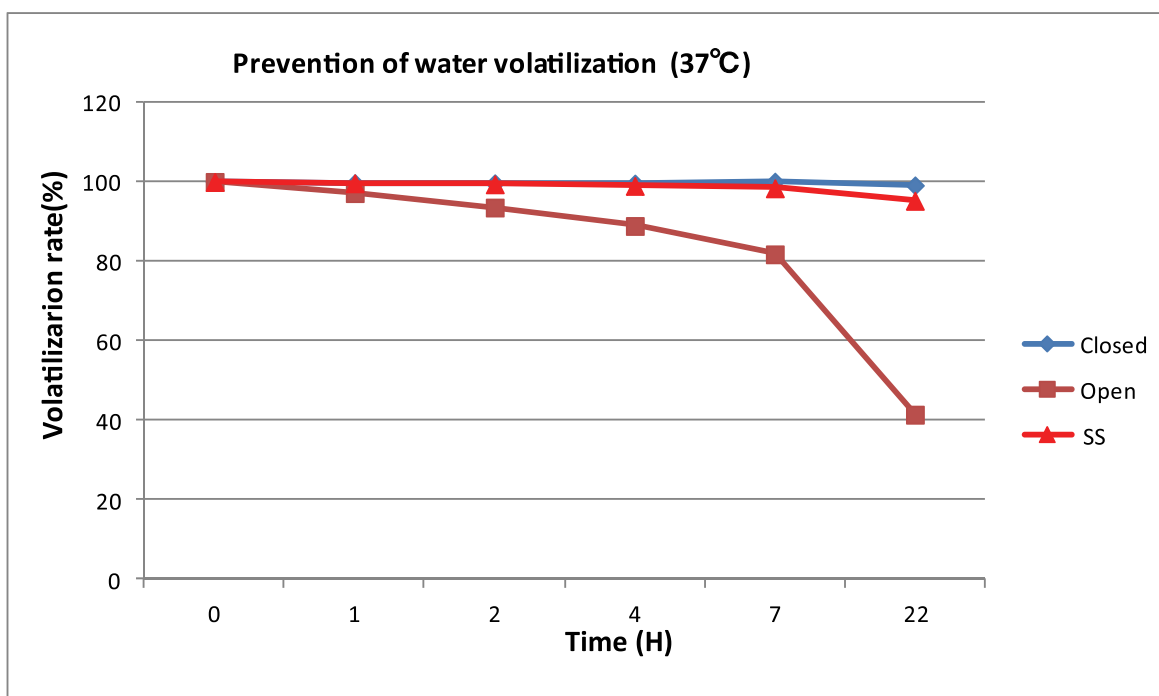
Slit Seal showed high airtightness to acetonitrile and water under the temperature of 4°C (Graph 1) and 37°C (Graph 2), respectively.



< Graph 1 >



< Graph 2 >



<Abbreviations>

Closed : Adhesive aluminum seal

Open : No plate seal

SS : Slit Seal