An add-on cap for ATR-IR spectroscopy studies

The invention relates to a cap (300B) for an attenuated total reflectance infrared (ATR-IR) spectrometer, the ATR-IR spectrometer comprising an ATR-IR plate (200). The cap (300B) comprises an ATR-IR plate facing cap surface. When the ATR-IR plate facing cap surface is placed on the sample surface side of the ATR-IR plate (200), a sample cavity enclosing the sample is formed between the sample surface side of the ATR-IR plate (200) and the ATR-IR plate facing cap surface of the cap (300B). This sample cavity can be an air tight cavity. The cap may further comprise a bridge (322), which functions as cap securing means (322), as the cap (300B) is secured onto the ATR-IR plate (200) by a pressure clamp (108) and an arm (110) holding the pressure clamp (108) pressing on the bridge (322).