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Ansto

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## Naturally Better Digestion at the AS SAXS Beamline

Observing time resolved changes to weak signals has always been a challenge that the Australian Synchrotron SAXS beamline has been well placed to address. Recent work at the beamline has aimed to find the optimum sample environment and beamline setup for picking out weak signals from in-situ digestion experiments. Aided by some knowledge gained from the i22 beamline at the Diamond synchrotron in the UK these tests were very successful. Weak signals from dilute crystalline drug additives could be clearly seen above a significant water background signal during in-situ digestion. The results and sample environment shown here show the results that can be achieved and the straightforward considerations that need be kept in mind when planning experiments that will require the observation of weak signals.

### Keywords or phrases (comma separated)

SAXS

### Are you a student?

No

### Do you wish to take part in the Student Poster Slam?

No

### Are you an ECR? (<5 yrs since PhD/Masters)

No

### What is your gender?

Male

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