



Frequently Asked Questions

AZCL-Amylose

Q 1. What is the concentration of AZCL-Amylose in Amylzyme tablets.

A: Amylzyme tablets contain 30% w/w of AZCL-Amylose; the weight of the tablets is 100 mg (i.e. 30 mg of AZCL-Amylose per tablet).

Q 2. What is the average chain length of the amylose?

A: The average chain length of amylose is ~1000 D-glucosyl residues.

Q 3. What is the size of the dye molecule in relation to the glucose unit?

A: We do not supply details of the dye and crosslinking procedure we use. Sorry!

Q 4. Why is the assay inhibited by salt concentrations over 100mM? Is the salt affect related only to the tablets?

A: Salt inhibits because it restricts the swelling of the dyed, crosslinked gel particles– this undoubtedly causes steric hindrance.

Q 5. What is the Mg⁺⁺ concentration in the tablet form of the AZCL-substrates?

A: We use Mg stearate as an agent to help the flow of powder in tableting. Typically the concentration of this is 0.5%.

GENERAL QUESTIONS ON INSOLUBLE CHROMOGENIC SUBSTRATES

Q 6. What wavelength is optimal for measuring enzyme action on AZCL-chromogenic substrates?

A: 590 nm

Q 7. We are interested in using some of your AZCL-polysaccharides for screening enzymes using growth/enzyme tests on agar plates. Could you please send me specific information on these tests.

A: The AZCL-substrates are used by several companies in agar plate screening tests. I believe they are used at a concentration of about 0.01 – 0.1% w/v. We do not have booklets on this application, however, you can obtain further information on the use of these substrates by reference to the booklet describing the use of the substrate in tablet form.