



FREE NQ CSIRO Education Biotechnology Sessions Yrs 9-12

Bookings available for Term 1, 2012. Limited free sessions available.
Please contact Heidi Streiner at heidi.streiner@csiro.au or 07 4753 8632.

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DNA to the MAX: Who mixed the Max?

BARLEYmax™ is a premium grain much sought after because of its health benefits. A premium product comes at a premium price. In this world of sham and deceit, food adulteration is commonplace.

This 'hands-on' workshop introduces students to the world of DNA science and comes in two parts. In the first section, students extract DNA from CSIRO's BARLEYmax™ barley using a centrifuge to separate DNA, then ethanol to precipitate and spool strands of DNA.

The second section involves gel electrophoresis to separate and identify different DNA samples. We use the context of food adulteration- CSIRO has received complaints that the cereal products sold under BARLEYmax™ are not producing the desired effects. Students analyse the cereal DNA by performing gel electrophoresis to determine whether the cereal product sold is really BARLEYmax™ or standard barley.

Requirements

This hands-on workshop is appropriate for Year 9-12. We require a room with table space for up to 30 students. The duration of the program is 90 min.

Cost

This workshop is delivered **Free** of charge to your school with a minimum of 2 sessions per day and a minimum of 25 students per class.

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Australian Government

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