



Australian Government

Assessment Requirements for AHCSDT408

Perform an electrophoresis test on a seed sample

Release: 1

Assessment Requirements for AHCSDT408 Perform an electrophoresis test on a seed sample

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- extract seed and prepare gel
- centrifuge seed and gel mixes
- interpret stain bands and patterns
- test seed by separating proteins of varying size and/or electric charge
- enter data into laboratory information management system
- maintain confidentiality and security of information and data

Knowledge Evidence

The candidate must demonstrate knowledge of:

- enterprise standard operating procedures (SOPs)
- materials and apparatus used in electrophoresis testing
- principles of electrophoresis
- range of electrophoresis testing procedures
- relevant health, safety and environment requirements
- seed biology
- the role of the International Seed Testing Association (ISTA) and the ISTA Rules for Seed Testing
- using stain patterns and ‘fingerprints’ to determine seed variety

Assessment Conditions

Assessors must satisfy current standards for RTOs.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>