

E- seminar: An introduction to designing quantitative PCR assays



This e-seminar, entitled “An introduction to designing quantitative PCR assays”, describes the principles behind, as well as best practice guidelines for the design of qPCR assays. The information presented will equip viewers with the necessary knowledge and skills to broaden the scope of food authenticity testing currently utilised by official and industrial control laboratories. Those who should consider viewing this e-seminar include individuals currently working within the foods molecular testing area, particularly representatives from UK Official Control Laboratories, industry and members of organisations associated with the UK official control network.

Key stages in the design process are described and worked examples presented which illustrate the application of non-commercial software for the design and validation of real-time qPCR assays. Examples of the different technical approaches available and applications to which they can be applied have been included. The production of this e-seminar was funded by Defra, FSA, FSS and BEIS under the Joint Knowledge Transfer Framework for Food Standards and Food Safety Analysis.

[View the seminar](#)

For more information about the work of the Government Chemist contact:

Published 12 November 2019