



LemnaTec SAW Bonit HTS

Analysis of eGFP in plants

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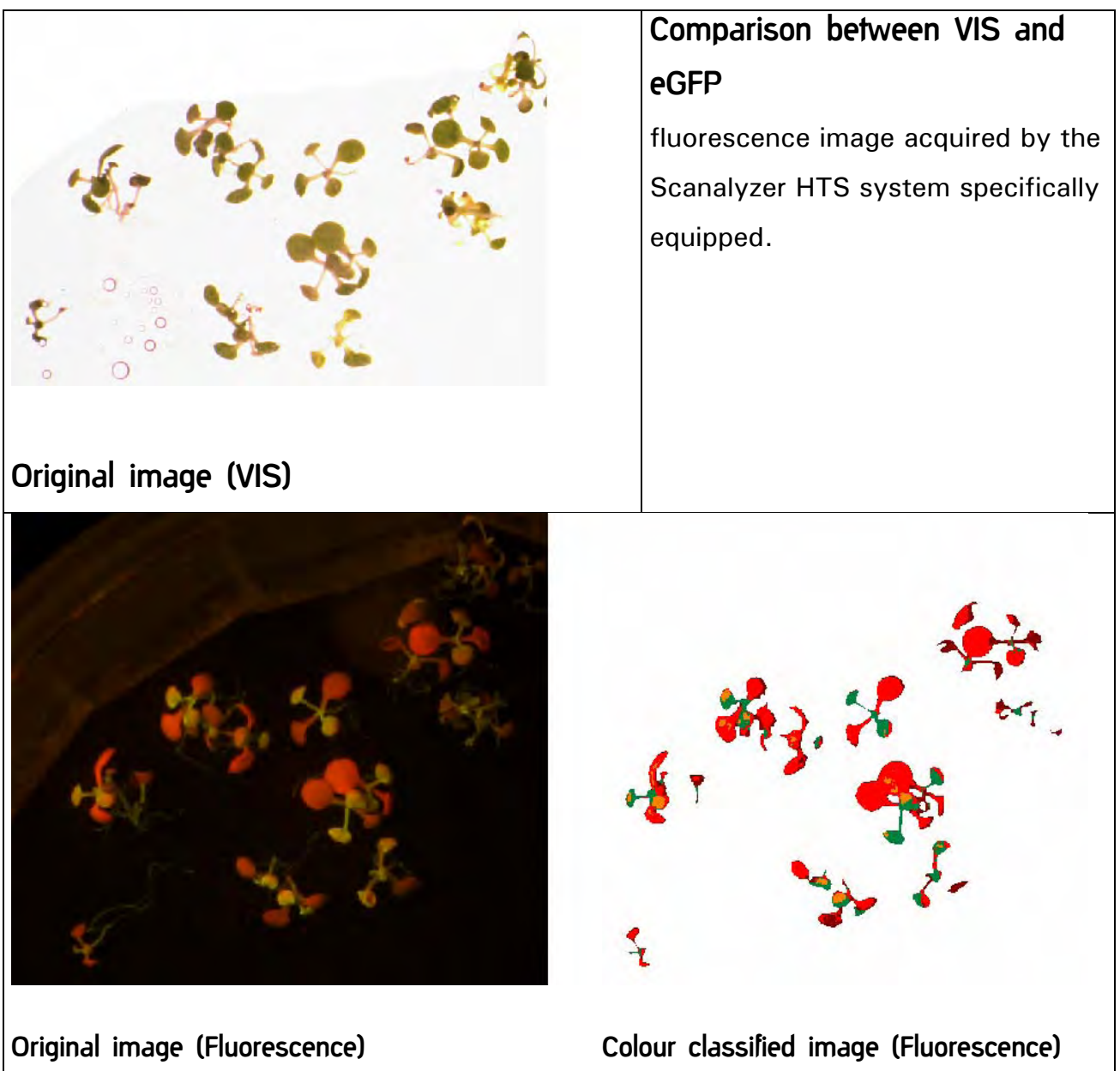
Use of GFP in Plant analysis

GFP is used in plant analysis either to mark parts of plants or full plants to discriminate or for marking organisms affecting the plants.

As long as parts of plants are analysed not containing chlorophyll any kind of GFP may be used.

In parts of plant where chlorophyll is present use of eGFP is extremely helpful to avoid interference between chlorophyll and GFP signals.

The following image shows plants where older leaves express eGFP while younger do not both being green.



While all leaves are green under VIS light. Larger leaves expressing eGFP become red on the image produced while younger leaves remain greenish

LemnaTec Modules for GFP and eGFP

LemnaTec can provide specific modules including camera, illumination and filter for its Scanalyzer HTS and the smaller Plant Scanalyzer systems to allow efficient analysis of eGFP.