

Status of the eugenol total residue depletion study

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UMESC - Eugenol

Total residue depletion study

Different from a marker residue depletion study

**First need to develop a method for eugenol in
fillet tissue**

UMESC - Eugenol

Total residue depletion study

- ✓ Exposed to radioactive form of drug
- ✓ Radioactivity helpful tracking depletion of all the drug residues and identifying drug residues
- ✓ Data leads to the selection of a marker residue

UMESC - Eugenol

Marker residue depletion study

- ✓ Marker serves to represent all the drug residues
- ✓ Marker compound is in relatively high concentrations and has a relatively slow depletion rate
- ✓ Ultimately a withdrawal time is established

UMESC - Eugenol

Method for eugenol in fillet tissue

- ✓ Developed before depletion studies are initiated
- ✓ Needs to be robust and should be developed to become the determinative method
- ✓ Currently preparing the method development protocol
 - ✓ Work will begin in August, 2009