



Licensing Opportunity AgResearch Limited

Patent Title: Rapid Method for Measuring Complex Carbohydrates in Mammalian Tissue

AgResearch Ref: MQ Lab Method

Inventors: J West, A Hart, O Young

- ✚ A rapid method for measuring complex carbohydrates, particularly glycogen, in mammalian tissue, and more particularly in non-living mammalian tissue.

Background

The measurement of glycogen in mammalian tissue is relevant for such things as, for example, the ability to use the results of the measurement as a determination of the ultimate pH of meat. This is also a direct measure of many of the qualities of meat. Traditional methods are slow to process results, can be hazardous, inaccurate, inconsistent, time-consuming and some also use aggressive chemical reagents.

- 3) Adding sufficient hydrolysing enzyme for ensuring complete hydrolysis of glycogen in the slurry; and
- 4) Measuring the concentration of glucose in the slurry.

AgResearch Contact

Dr Ian Boddy
General Manager – Business Group
AgResearch Limited
Private Bag 3115
Hamilton
New Zealand
Email: ian.boddy@agresearch.co.nz

Invention

A rapid method of measuring the complex carbohydrates in mammalian tissue, comprising the steps of:

- 1) Extracting a sample of tissue to be tested;
- 2) Forming a homogenous slurry of the sample with an aqueous solution;