**Optimization of AWD process**

- **Project**: Development of tAK as an indicator of HPV decontamination

**ENZYME INDICATOR HISTORY**

**Jan 1999**

- Project: Validation of TSE Decontamination

**Feb 2000**

- International patent filing
  - Assay with reduced background. PCT/G800/00315 (3rd February 2000)

**Mar 2005**

- International patent filing
  - Biological indicator: PCT/G82005/001056 (22nd March 2005)

**Feb 2009**

- International patent filing
  - Cross-linked biological indicator PCT/G82009/050158 (18th February 2009)

**Nov 2005 - Sept 2007**

- Project: Prevention of iatrogenic spread of vCJD; Department of Health New and Emerging Applications of Technology

**2010**

- Publication

**Apr 2010 – Sept 2011**

- Project: Cleaning validation for surgical instrument reprocessing; National Institute of Health Research Invention for Innovation project

**2011**

- Licence
  - Licence agreement with BiotAK: Cleaning and decontamination of surgical instruments and endoscopes

**Mar 2013 - May 2014**

- Project: Optimization of AWD process (Department of Health; Policy Research Programme)

**April 2015**

- Project initiated
  - Commercialization of tAK as a HPV process indicator (Protak Scientific)

**Jan 2015**

- Licence
  - Licence Agreement with Protak Scientific: Gaseous disinfection in isolators and rooms; pharma and healthcare