

## G634: Applications of Biotechnology – Sample Assignment A2

<b>Unit Name:</b> Applications of Biotechnology	<b>Unit Number:</b> G634
<b>Assignment Title:</b> Public Information Booklet	<b>Assignment Number:</b> G634 Sample Assignment A2
<b>Date Set:</b>	<b>Due Date:</b>
<b>Assessment Objective(s):</b> AO2(a)	

### Assignment Brief:

Much of the research that goes on in this area is novel and still in some cases experimental. It is a widely discussed and controversial topic and therefore important that the science behind it is understood. In many cases gene technology has clear advantages over conventional methods such as the production of insulin.

Your task is to produce information that clearly explains the use of recombinant DNA technology in medicine.

### Task:

Carry out your research using several different sources and put together a booklet with the title:

#### **‘The Use of Recombinant DNA Technology in Medicine’**

To help you you could and include the answers to the questions:

- what is recombinant DNA?
- how does it work?

You could focus your research on insulin.

#### **In order to gain the higher marks check you have:**

- selected relevant material from a variety of sources
- recorded the research sources you have used
- presented your booklet in a clear and logical way that is easy to understand.

**[ Max marks possible for this task: 5 ]**

**Resources:**

A level biology text books.

[www.iptv.org/exploremore/ge/what/insulin.cfm](http://www.iptv.org/exploremore/ge/what/insulin.cfm)

[www.beeep.ac.uk/content/index.php](http://www.beeep.ac.uk/content/index.php)

[www.abpischools.org.uk/res/coResourceImport/modules/hormones/en-flash/geneticeng.cfm](http://www.abpischools.org.uk/res/coResourceImport/modules/hormones/en-flash/geneticeng.cfm) (short animation)

Genetic engineering is a very controversial topic – use resources found on the Internet with care.