** A level Year 2** Eduqas Component 1

**Microbiology**

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| 1 | the classification of bacteria according to their shape and by their reaction to the Gram stain as determined by their cell wall structure, including the preparation and examination of bacteria stained using Gram technique |  |  |  |
| 2 | the methods by which microorganisms can be cultured in the laboratory |  |  |  |
| 3 | the conditions necessary for bacterial growth and the principles of aseptic  technique |  |  |  |
| 4 | the methods used to monitor population growth in microorganisms including viable count, using serial dilutions, plating and counting colonies |  |  |  |

**SPECIFIED PRACTICAL WORK**

Investigation into the numbers of bacteria in fresh and stale milk, using

techniques of serial dilution, plating and counting colonies