Edexcel iGCSE Biology Checklist

Section E20: Selective breeding

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| ***I can*** | ☺ | 😐 | ☹ |
| understand that plants with desired characteristics can be developed by selective breeding |  |  |  |
| understand that animals with desired characteristics can be developed by selective breeding. |  |  |  |
| describe the process of micropropagation (tissue culture) in which small pieces of plants (explants) are grown in vitro using nutrient media |  |  |  |
| understand how micropropagation can be used to produce commercial quantities of identical plants (clones) with desirable characteristics |  |  |  |
| describe the stages in the production of cloned mammals involving the introduction of a diploid nucleus from a mature cell into an enucleated egg cell, illustrated by Dolly the sheep |  |  |  |
| evaluate the potential for using cloned transgenic animals, for example to produce commercial quantities of human antibodies or organs for transplantation. |  |  |  |
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