

the patient's cells directly

Genetic testing

. genetic testing is a form of gene technology that is done if a genetic disorder is suspected if you have symptoms of a genetic disease genetic.

Example

testing can confirm if you have the suspected disorder for example genetic testing may be used to confirm a diagnosis of cystic fibrosis or huntington's disease genetic testing can also be done if you have a family history of a genetic condition such as sickle cell anemia or cystic fibrosis or you're in an ethnic group that has a high risk of a specific genetic disorder.

if you're pregnant tests can detect some types of abnormalities in your baby's genes down syndrome and trisomy 18 syndrome are two genetic disorders that are often screened for as part of prenatal genetic testing.

conclusion

all forms of gene technology exist to benefit humans by preventing and curing diseases and ensuring food security however there are potential issues that exist with any form of genetic modification here are some questions to get you thinking about the ethics of gene technology what is right and what is not ethical in genetic engineering could inserted genes spread to non-gm plants in the wild thus endangering biodiversity could farmers be forced to buy expensive genetically engineered seed when they have traditionally kept some seed to plant the next season is it moral to modify genomes some people believe that it is ethically wrong to move genes between different species in terms of gene therapy who decides which conditions require treatment it could be tempting to also cure conditions like baldness and obesity this would be improvement not treatment the technology could be misused in the future superhuman soldiers with certain physical and intellectual characteristics could be created these individuals would have no say in this world this is unethical some people believe it is not ethical to interfere with genes and individual species particularly humans in this way in most countries laws exist to control the use of gene technology for example most countries ban the editing or modification of genes in human embryos these are all ethical issues that need to be carefully resolved legally and morally remember science provides the technology but humans must decide how that technology.