

Last Edited: Rafael Alcántara (February 2012)

Enzyme Portal Exercises

You will need access to Enzyme Portal online at <http://www.ebi.ac.uk/enzymeportal> to complete these exercises.

1. Search for 'malate dehydrogenase'. How many enzymes do you find? How many of them are found in humans?

2. Click on the first result of the previous search (Malate dehydrogenase, cytoplasmic, human). What is its EC number? Explain the four digits.

3. For the same enzyme (Malate dehydrogenase, cytoplasmic, human), how many 3D structures can you find? How many for pig? Tip: use the species drop-down selection box.

4. Search for "Deoxyribonucleic methylase" and filter results to see only human. Click on the first result in the list and see how many drugs and bioactive compounds have been described for this enzyme.

5. Search for CFTR and see what diseases are associated to the first result in the list.
