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Product Name :

Solar Bio Fuel Large

Product Code :

SLE/PHY/204



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Description :

The entire process of producing biofuels can be demonstrated with Solar-Bio Fuel Large. Solar-Bio Fuel Large does not only cover the topic of the production of bioethanol, but also the production of biodiesel through transesterification of fats. It starts with the biological step of alcoholic fermentation. Afterwards the produced mash will be distilled with the help of the Solar-condenser, which was developed just for this experiment. The last step demonstrates the conversion of the produced biofuel into usable energy, such as electrical energy, using the provided Ethanol-fuel cell.

Technical Specifications :

Components :

- 1 x Potentiometer module
- 1 x Motor module without gear
- 1 x Solar ethanol fuel cell module
- 1 x Plug with hose
- 1 x Yeast
- 1 x Box
- 1 x Yellow propeller
- 1 x Laboratory thermometer
- 1 x Distilling head, 2 cores 75°, NS 19/26
- 1 x Condenser
- 1 x Alcoholmeter
- 1 x Erlenmeyer flask 1000 ml
- 1 x Airlock
- 1 x Rubber stopper
- 1 x Areometer
- 1 x Beaker 250 ml
- 3 x Test tubes
- 1 x Grip stopper
- 1 x Measuring cylinder 100ml
- 1 x Syringe 2ml
- 1 x Silicone ring
- 1 x Lid for tray
- 1 x Padding "Bio Fuel-Large"
- 1 x Solar-CD
- 1 x Einräumplan Bio Fuel Large
- 3 x Pasteur pipette
- 4 x Bump transparent 5,0 mm height X 11,1mm diameter

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