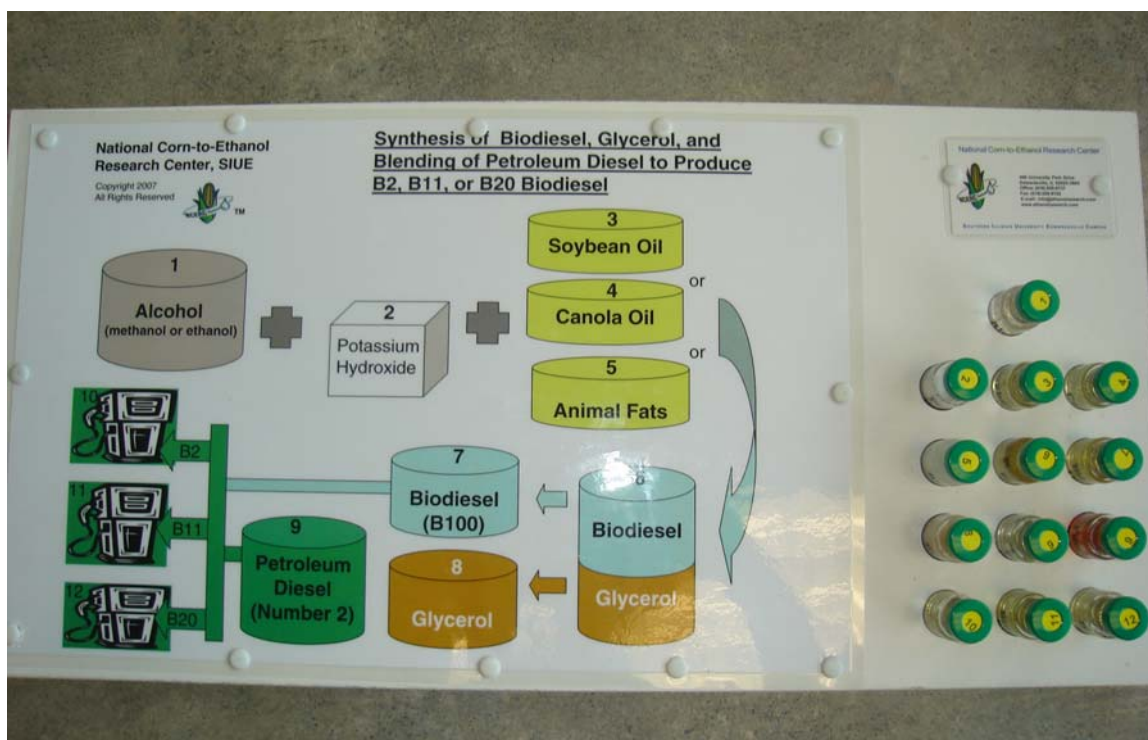




Biodiesel Synthesis Demonstration Kits

The National Corn-to-Ethanol Research Center (NCERC) has developed a biodiesel synthesis demonstration kit. This kit shows schematically the conversion of alcohol and vegetable oil with potassium hydroxide to produce biodiesel. Each kit includes 13 bottles: methyl alcohol, potassium hydroxide, soybean oil, canola oil, animal fats, biodiesel/glycerol reaction, biodiesel (B100), glycerol, petroleum diesel (number 2), dyed petroleum diesel plus B2, B11, and B20 blends of biodiesel and petroleum diesel.

Two laminated, colored process flow diagram sheets (11" x 18") and (8.5" x 11") will be provided. The kit also contains all the appropriate Material Safety Data Sheets (MSDS). The kit includes a 128 MB USB flash drive containing a Powerpoint presentation of the complete biodiesel synthesis and petroleum diesel blending process. The thirteen, 5 mL sample vials are sealed with a color-coded, leak-proof permanent serum bottle cap. The entire kit is mounted on a white formica-coated 11.8" x 23.8" board. The bottles are numbered to correspond to the steps in the synthesis.



SYNTHESIS of BIODIESEL DEMONSTRATION KIT

This biodiesel synthesis kit can be purchased for \$225 each plus \$20 shipping or at the reduced price of \$125 each plus \$20 shipping for academic institutions. The NCERC also has a similar corn-to-ethanol process demonstration kit for the same price.

To place an order, please provide the following information:
(Please Print)

Name _____

Title _____

Company or Institution _____

Address _____

City _____

State _____ Zip _____

Telephone _____ e-mail _____

COSTS:

Biodiesel Process Demonstration Kit

Academic Institutions, Non-profit Organizations, Trade Associations, and
Governmental Agencies

Quantity ____ at \$ 125 each = _____

Shipping ____ at \$ 20 each = _____

All Others

Quantity ____ at \$ 225 each = _____

Shipping ____ at \$ 20 each = _____

TOTAL = _____

Make Checks payable to **National Corn-to-Ethanol Research Center**,
Attention:

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Business Affairs Director
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Edwardsville, Illinois 62025-3604
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