CLAIMS

1. A method for improving the yield of enzymatic preparation of biodiesel from greases, characterized in that: during enzymatic reaction of short-chain alcohols with greases to prepare biodiesel, online dehydration steps are introduced, leading the volatile gases in an enzyme reactor to enter into a low-temperature absorption tank, and the dehydrated gases are pumped into the enzyme reactor via the bottom of the enzyme reactor by an air pump; the formation of gas-circulation can constantly bring the moisture inside the enzyme reactor out, so as to improve the conversion rate of the reaction, wherein the low-temperature absorption tank is a tank containing short-chain alcohols for absorption at 0℃ to 25℃, the enzyme reactor comprises a one-stage enzyme reactor or a multiple-stage enzyme reactor, the short-chain alcohols are one or more of methanol, ethanol, propanol, or butanol.

2. The method according to claim 1, characterized in that: the temperature of reaction is 40℃ to 45℃ in the one stage enzyme reactor or the first enzyme reactor of the multiple stage enzyme reactor.

3. The method according to claim 1, characterized in that: the enzyme used in the enzymatic reaction of short-chain alcohols with greases to prepare biodiesel is a lipase derived from *Candida antarctica*, *Thermomyces lanuginosus*, *Aspergillus niger*, *Aspergillus oryzae*, *Rhizomucor miehei*, or *Rhizopus Oryzae*.

4. The method according to claim 1, characterized in that: the greases are biological greases.

5. The method according to claim 4, characterized in that: the biological greases are one or more of vegetable greases, animal greases or microbial greases.

6. The method according to claim 5, characterized in that: the vegetable greases are one or more of palm oil, soya bean oil, rape-seed oil, curcas oil, jatropha curcasl oil, corn oil, castor oil, peanut oil, cottonseed oil, rice bran oil, or shinyleaf yellowhorn oil; the animal greases are one or more of fish oil, beef tallow, lard, or mutton tallow; and the microbial greases are yeast grease, or microalgae grease.

7. The method according to claim 1, characterized in that: the greases are waste edible oils or tailings from the refining of greases.