



**MR BEER®**



## Twice Bitten Double IPA

### What You Get

2 Golden Ale Brewing Extract (HME)

1 Packet of BrewMx LME Golden

1 Packet of Crystal 60 Malt

1 Packet of Vienna Malt

2 Packets of Cascade Hops

2 Packets of Columbus Hops

2 Packets of Warrior Hops

2 Packets of Simcoe Hops

3 Muslin Hop Sack

1 Packet of US-05 Dry Ale Yeast

1 Packet of No-Rinse Cleanser

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### STEP 1: Sanitizing

Cleaning is one of the most important steps in brewing. It kills microscopic bacteria, wild yeast, and molds that may cause off-flavors in your beer. **Make certain to clean all equipment that comes in contact with your beer by following the directions below:**

1. Fill clean keg with warm water to line mark 1 on the back, then add ½ pack (about 1 tablespoon) of No-Rinse Cleanser and stir until dissolved. Once dissolved, the solution is ready to use. Save the remaining ½ of No-Rinse Cleanser because you will need it for bottling.
2. Screw-on the lid and swirl the keg so that the cleaning solution makes contact with the entire interior of the keg, including the underside of the lid. Note that the ventilation notches under the lid may leak solution. Allow to sit for at least 2 minutes and swirl again.
3. To clean the spigot, open it fully and allow the liquid to flow for 5 seconds and then close.





4. Pour the rest of the solution from the keg into a large bowl. Place your spoon/whisk, can opener and measuring cup into the bowl to keep them cleaned throughout the brewing process. Leave them immersed for at least 2 minutes in cleaning solution prior to using.
  5. After all, surfaces have been thoroughly cleaned, do not rinse or dry the keg or utensils. Return lid to the top of the keg, proceed immediately to brewing.
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## STEP 2: BREWING

Brewing beer is the process of combining a starch source (in this case, a malt brewing extract) with yeast. Once combined, the yeast eats the sugars in the malt, producing alcohol and carbon dioxide (CO<sub>2</sub>). This process is called fermentation.

1. Remove the yeast packet from under the lid of the can of Brewing Extracts, then place the unopened cans and BrewMax LME in hot tap water.
2. Place all packets of grain into a muslin sack tying it closed, then trim away excess material.
3. In one hop sack add in 2 packets of, Warrior hops and then add 1 and ½ packet of Cascade and Columbus Hops tying it closed, then trim away excess material (For the remaining ½ of packet store in a Ziplock bag in the freezer. You want as little air as possible in the bag. You will use the remaining packet during dry-hopping). Into another hop sack add in 1 & 1/2 packets of Simcoe Hops tying it closed, then trim away excess material. (For the remaining ½ of packet store in a Ziplock bag in the freezer. You want as little air as possible in the bag. You will use the remaining packet during dry-hopping). Make sure to keep track of what hops are in what bag.
4. Add 1 gallon of water to a large pot. Heat the water until it reaches 155-160 degrees. Once the water has achieved this temperature range, add the grain sack so that it is fully submerged and maintain temperature range for 30 minutes.
5. After 30 minutes has passed, remove the pot from heat, remove grain sack, and rinse it with 2 cups of hot water using a colander or strainer while allowing the runoff to flow back into your pot. Discard grain sack.
6. Add in the Golden LME and mix until dissolved. Once dissolved bring this mixture to a boil and continue to stir to prevent scorching.
7. Once this mixture is boiling add in the hop sack with the Cascade, Columbus, and Warrior hop. Let this boil for 30 minutes.
8. Once 15 minutes have passed of your 30-minute boil add in the hop sack with the Simcoe hops for the remainder of the boil. Once your 30 minutes are up (step 7) remove the pot from heat.





9. Open the cans of Brewing Extract and pour the contents into the hot mixture in your pot. Stir until thoroughly mixed. This mixture of unfermented beer is called wort.

10. Fill your fermenter with cold tap water to the mark 1 on the back. If using any other fermenter this would be approximately 1 gallon of water.

11. Pour the wort into your fermenter, and then bring the volume of the fermenter to mark 2 by adding more cold water. (If you have a different fermenter top it off with

12. Stir your wort mixture vigorously with your sanitized spoon or whisk.

13. Sprinkle the US-05 yeast packet into the keg, and screw on the lid. Do not stir.

Put your fermenter in a location with a consistent temperature between 68° and 78° F (20°-25° C), and out of direct sunlight. Ferment for 21 days.

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### STEP 3: Dry-Hopping

Dry hopping is the process of adding hops to a beer which will impart more hop flavor and aroma in your beer.

1. At day 7 of Fermentation you will add the remaining ½ packets of Cascade, Simcoe and Columbus. Using clean scissors open each packet of hops. Carefully remove the lid from your fermenter and dump the pellet hops in. Quickly close the lid.

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### STEP 4: Bottling & Carbonating

After 21 days, taste a small sample to determine if the beer is fully fermented and ready to bottle. If it tastes like flat beer, it is ready. If it's sweet, then it's not ready. Let it ferment for 3 more days (24 total). At this point, it is time to bottle. *Do not let it sit in the fermenter for longer than 24 days total.*

1. When your beer is ready to bottle, fill a 1-gallon container with warm water, then add the remaining ½ pack of the No-Rinse Cleanser and stir until dissolved. Once dissolved, it is ready to use.

2. Distribute the cleaning solution equally among the bottles. Screw-on caps (or cover with a metal cap if using glass bottles) and shake bottles vigorously. Allow to sit 10 minutes, then shake the bottles again. Remove caps and empty all cleaning solution into a large bowl. Use this solution to clean any other equipment you may be used for bottling. Do not rinse.





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3. Add 2 [Carbonation Drops](#) to each 740-mL bottle. For 1-liter bottles, add 2 ½ drops; for ½-liter bottles add 1 drop. Alternatively, you can add table sugar using [this table as a guide](#).
4. Holding the bottle at an angle, fill each bottle to about 2 inches from the bottle's top.
5. Place caps on bottles, hand tighten, and gently turn the bottle over to check the bottle's seal. It is not necessary to shake them.
6. Store the bottles upright and out of direct sunlight in a location with a consistent temperature between 70°-76°F or 21°-24°C. Allow sitting for a minimum of 14 days. If the temperature is cooler than suggested it may take an additional week to reach full carbonation.

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### **Tip from our Brewmasters**

After the primary carbonation has taken place your beer is ready to drink. We recommend putting 1 bottle in the refrigerator at first for 48 hrs. After 48hrs. give it a try and if it is up to your liking put the rest of your beer in the fridge. If it does not taste quite right, leave the bottles out at room temp for another week or so. Keep following this method until your brew tastes just how you like it.

This process is called conditioning and during this time the yeast left in your beer can help clean up any off-flavors. Almost everything gets a little better with time and so will your beer.

