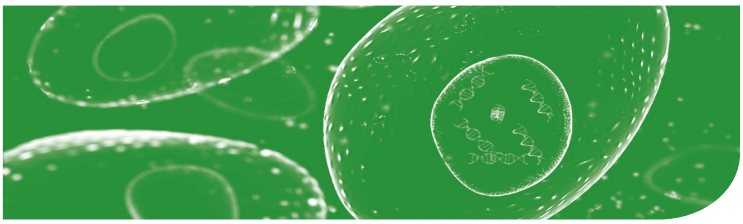
Dryzyme™

Eco RI, Hind III, or Bam HI

Cat. #715, 716 or 717



This package contains one of the following catalog items:	**Storage:**
#715 Dryzyme™ Eco RI (1500 units)	4° C
#716 Dryzyme™ Hind III (1500 units)	4° C
#717 Dryzyme™ Bam HI (1500 units)	4° C
Also included:	
Reconstitution Buffer A	-20° C
Reconstitution Buffer B	-20° C
10x Reaction Buffer	4° C

Dryzyme™ samples are ready for restriction enzyme digestion reactions after rehydration and dissolving. Each of the 3 enclosed tubes contains 500 units of enzyme for a total of 1500 units. Use only as many tubes of Dryzyme™ as needed at one time and place remaining tubes back into the refrigerator with desiccant.

Once a tube of Dryzyme™ has been reconstituted, it must be kept cold on ice. Preparation of restriction digests should be done withing 30 minutes of reconstituting Dryzymes™. Store any unused portion of reconstituted Dryzyme™ at -20°C..

Reconstitution of Dryzyme™ Restriction Enzyme:

1. Make sure that the solid material is at the bottom of the tube. If not, centrifuge the tube in a microcentrifuge at full speed for 20 seconds.
2. Add 25 µl Reconstitution Buffer A to the solid at the bottom of one of the tubes containing Dryzyme™ and allow the sample to hydrate for 1 minute. Mix the sample vigorously by flicking the tube with your finger or by vortexing for 30 seconds until the solid appears to be completely dissolved.
3. Reconstitution Buffer B is somewhat viscous and care must be taken to ensure that the total volume of liquid is drawn into the pipet tip. Slowly add 25 µl Reconstitution Buffer B to the tube of rehydrated Dryzyme™. After adding the buffer to the sample, rinse the pipet tip by drawing sample back and forth into the tip.
4. Mix or vortex the sample and centrifuge for 20 seconds. The concentration of the reconstituted restriction enzyme is 10 units per µl.
5. Keep the reconstituted restriction enzyme on ice and prepare restriction digests within 30 minutes. Store any unused portion of reconstituted Dryzyme™ at -20°C.
6. Restriction enzyme digestions are generally set up to digest 1 µg of DNA in a reaction volume of 20 or 30 µl using 5-10 units of enzyme per reaction. The reaction temperature for the enzymes is 37°C and the incubation time is 60 minutes.

USEFUL HINT:

After the rehydration with Reconstitution Buffer A, pulse spin the tube(s) in a microcentrifuge for 20 seconds to check that no undissolved particulate matter has pelleted. If not completely dissolved, repeat the mixing or vortexing step until no pelleting is observed.

EDVOTEK®