Breaking DE20 droplets containing DNA

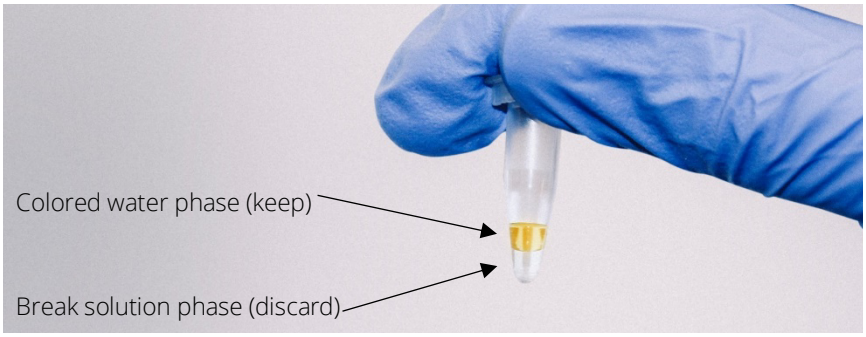
Materials

- DE20 droplets containing DNA
- Droplet break solution ●
- Droplet break color ●
- Optional: Droplet sorting wash buffer

Method

Note: If you have sorted DE20 droplets containing DNA on the Xdrop Sort and wish to use the DNA for droplet-based MDA (dMDA), wash the droplets twice with DE wash buffer before starting. See the Xdrop Sort Manual for more details on washing droplets.

1. Vortex the Droplet break color ● tube upside down and spin the tube briefly (15 to 30 seconds).
2. Add 20 µl of Droplet break solution ● to your sample.
3. Add 1 µl of Droplet break color ● to the tube containing the droplets. This will color the water phase.
4. Flick the tube gently and spin for 15 to 30 seconds at 400 g. Do not vortex.
5. Remove and discard the clear break solution phase from the bottom of the tube using a pipette.
6. Repeat steps 4 and 5 to remove all the Droplet break solution ●. Residual break solution may inhibit downstream enzymatic reactions.



Note: The water phase may be a color ranging from yellow to purple.

Please refer to the Xdrop Manual or Xdrop Sort Manual for more information.

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