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KingFisher® Flex process with 96 deep well magnet head and PowerMag™ Microbial DNA Isolation Kit (MO BIO)

Sample process

1. Fill the plates according to the **Table 1**. More information about the sample preparation and reagents can be found in the PowerMag Microbial DNA Isolation Kit instruction manual, MO BIO, catalog no. 27200-4.

Plate number	Plate type	Plate name	Content	Sample/reagent volume
1	Microtiter deep well 96 plate	Bind plate	Lysate	450 µl
			100% Ethanol	450 µl
			SwiftMag™ Beads	50 µl
2	Microtiter deep well 96 plate	Wash 1	100% Ethanol	1000 µl
3	Microtiter deep well 96 plate	Wash 2	100% Ethanol	1000 µl
4	Microtiter deep well 96 plate	Wash 3	100% Ethanol	1000 µl
5	KingFisher 96 plate	Elution plate	SwiftMag Elution Buffer	100 µl

Table 1. Filling the plates

2. Combine the 96 deep well tip comb and the KingFisher 96 plate. For more detailed instructions, see the KingFisher Flex User manual.
3. Start the **"KF_Flex_MoBio_PowerMag_Microbial_DNA**" protocol using **arrow keys** and **START** button. You can also run the protocol using a computer. For more details, see the BindIt software user manual.
4. Insert the plates into the KingFisher Flex as indicated on the instrument display and press **START** after every plate to confirm the action.

   Note! Make sure that the plates are placed in correct orientation. Ensure that the A1 well is in the upper right corner of the plate holder on turntable. A1 row of the plate is then always located in the inner circle of the turntable

5. The purification protocol will start when the last plate is loaded and **START** button is pressed.
6. After the purification process is completed remove the plates as indicated on the instrument display. Press **START** after each plate removal to confirm the action.
7. When the last plate is removed text "End of run" will appear. Press **STOP** to complete the run.
8. Store the purified DNA accordingly.

For more information: www.thermoscientific.com/kingfisherinfo and www.mobio.com/powermag