

KingFisher® Flex process with 96 deep well magnet head and InviMag® Blood DNA Kit (Stratec Molecular)

Sample process

1. Fill the plates according to the **Table 2**. More information about the reagents in the InviMag® Blood DNA Kit Manual, Stratec Molecular, catalog no. 74313001.

Plate number	Plate type	Plate name	Content	Sample/reagent volume
1	Microtiter deep well 96 plate	Lysis / Binding	Lysis Buffer A Blood Proteinase K	200 µl 200 µl 20 µl
Dispense step, add...				
1			Binding buffer B6 MAP Solution A	400 µl 20 µl
2	Microtiter deep well 96 plate	Wash 1	Wash Buffer I	500 µl
3	Microtiter deep well 96 plate	Wash 2	Wash Buffer I	500 µl
4	Microtiter deep well 96 plate	Wash 3	Wash Buffer II	800 µl
5	Microtiter deep well 96 plate	Wash 4	Wash Buffer II	800 µl
6	KingFisher 96 plate	Elution	Elution Buffer D	150 µl

Table 2. Filling the plates

2. Combine the 96 deep well tip comb and the KingFisher 96 plate. For more detailed instructions, see KingFisher Flex User manual.
3. Start the “**InviMag_BloodDNA_Flex96**” protocol using **arrow keys** and **START** button. You can also run the protocol using a computer, for more details see BindIt software user manual.
4. Load the plates according to the protocol request and press **START** after every plate to confirm the action.

Note! Confirm that the plates are placed in correct orientation: A1 well to be pointed to upper right corner of the plate holder in 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. **Dispense step:** After lysis add 20 µl of resuspended MAP solution A and 400 µl of Binding Buffer B6 to plate 1. Beads and Binding buffer may be premixed before addition to plate 1.
7. After the purification process is completed the plates are removed according to instructions shown in the instrument screen. Press **START** after each plate removal to confirm the action.
8. When the last plate is removed text End of run will appear. Press **STOP** to complete the run.

For more information: www.thermoscientific.com/kingfisher and www.invitek.de