

KingFisher® Flex process with 96 deep well magnet head and sbeadex® Blood DNA Kit (LGC Genomics)

Sample process

1. Fill the plates according to the **Table 2**. More information about the reagents in the sbeadex® Blood DNA Kit instructions, LGC Genomics, catalog no. 41124.

Plate number	Plate type	Plate name	Content	Sample/reagent volume
1	Microtiter deep well 96 plate	Lysis / Binding	Lysis Buffer BN Blood Protease solution	200 µl 200 µl 20 µl
Dispense step, add...				
1			n-propanol Particles suspension BN	400 µl 60 µl
2	Microtiter deep well 96 plate	Wash 1	Wash Buffer BN1	600 µl
3	Microtiter deep well 96 plate	Wash 2	Wash Buffer BN1	600 µl
4	Microtiter deep well 96 plate	Wash 3	Wash Buffer BN2	600 µl
5	Microtiter deep well 96 plate	Wash 4	Aqua	600 µl
6	KingFisher 96 plate	Elution	Elution Buffer BN	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 “**AGOWA 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 60 µl of resuspended Particles suspension BN and 400 µl of n-propanol to plate 1. Beads and n-propanol 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.lgcgenomics.com