

Pipetting instructions
for
KingFisher protocol KF_RPC
utilizing Dynabeads[®] RPC18

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Description

Protocol KF_RPC is intended for purification of peptides from different starting materials e.g serum, plasma using Dynabeads® RPC 18. Purification of 24 samples will approximately take 10 minutes.

KingFisher protocol

Importing protocols from the web

KingFisher Software protocol KF_RPC can be downloaded from the website (www.thermo.com/kingfisher). First you have to **save the protocol to your computer**.

1. Open KingFisher Software.
2. Select **Protocol** → **Import/Export data**.
3. Click **Read file**.
4. Select the database (*.KF2) by browsing in the **Open** dialog and click **Open**.
5. Select the protocol(s) you wish to import from the *Protocols in file* list. Use the SHIFT key together with the mouse button to select protocols between two clicked protocols and the CTRL key to select only the clicked protocols.
6. Tick **Update existing** if you wish to overwrite the protocols with identical protocol name(s) in the target database.
7. Click **Import**.

You will receive a message stating whether the database updating procedure was successful or not.

KingFisher process

Note !

Protocol KF_RPC is designed to use KingFisher plate 200 µl, code 97002084.

Table 1 Pipetting instructions for KF_RPC

Row	Content	Sample/Reagent volume
A	RPC18 beads Binding solution	50 µl 150 µl
B	Binding solution	200 µl

C	Sample with binding solution	20 µl 80 µl
D	Wash buffer	200 µl
E	Wash buffer	200 µl
F	Wash buffer	200 µl
G	Elution solution 50% acetonitrile	40 µl

1. Fill the plates according to instructions in table 1.
2. Insert tip combs and plates into removable tube strip tray
3. Choose the protocol KF_RPC using arrow keys and start the process by pressing START.
4. Remove the plates from KingFisher after program has completed.

Reagents (see note below)

Binding solution

- 200 mM NaCl/0.1% TFA
- 0.1% TFA

Wash buffer

- DDW, double distilled water

Elution solution

- 50% acetonitrile

Note ! Reagents can be modified according to user preference. The suggested solutions were utilized by customer evaluation sites.

The sample amount can also be changed. If volume in the well is changed the protocol needs to be modified accordingly using KingFisher SW.

More information of manufacturer recommendations see package insert of Dynabeads® RPC 18

http://www.invitrogen.com/content/sfs/manuals/102.0102_Dynabeads_RPC_18.pdf

Ordering Information

Product no.	Product Description
5400000	KINGFISHER, Magnetic Particle Processor, 100-240 V, 50/60 Hz (for microplates)
97002094	KingFisher plastics 200 µl 8-pack, 8 plates(200 µl) + 8 tip combs / box
102.01	Dynabeads® RPC 18 2 m <i>Order from Invitrogen I</i>
102.02	Dynabeads® RPC 18 5 x 2 m <i>Order from Invitrogen I</i>

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