



## QIAGEN Supplementary Protocol:

### Adding QIAGEN® FPLC™ cartridges to ÄKTA UNICORN™ software

This protocol and the listed parameters enable ÄKTA users to add QIAGEN protein cartridges to the Column List in the UNICORN chromatography system software.

#### Procedure

1. Access the Column List by opening the *UNICORN Manager > Method Editor > Column List*.
2. Add the respective QIAGEN protein cartridge to the *Column List*, e.g., Ni-NTA SF Cartridge (1 ml).
3. Enter the information for the relevant cartridge from the table (s) below under *Normal Parameters*.
4. Close the *Column List*.

**Ni-NTA Superflow Cartridge (1 ml) — QIAGEN cat. no. 30721 and 30725**

<b>Parameter</b>	<b>Value</b>	<b>Unit</b>
Height*	2.8	cm
Diameter*	0.67	cm
Column volume	1.0	ml
Column volume unit*	ml	
Technique*	Affinity	
V <sub>t</sub>		ml
V <sub>o</sub>	0.0	ml
Max pressure*	0.5	MPa
Default flowrate*	1.0	ml/min
Max flowrate	10.0	ml/min
Typ. peak width at base		
pH High value, long-term	12	
pH Low value, long-term	3	
pH High value, short-term	14	
pH Low value, short-term	2	
Average particle diameter	110	μm
Code no	1034557	
Typical loading range	1–30	mg
Mol. Weight range		
Scan rate		

\* Mandatory parameter



**Ni-NTA Superflow Cartridge (5 ml) — QIAGEN cat. no. 30760, 30761, and 30765**

<b>Parameter</b>	<b>Value</b>	<b>Unit</b>
Height*	2.98	cm
Diameter*	1.47	cm
Column volume	5	ml
Column volume unit*	ml	
Technique*	Affinity	
V <sub>t</sub>		ml
V <sub>o</sub>	0.0	ml
Max pressure*	0.5	MPa
Default flowrate*	5.0	ml/min
Max flowrate	40.0	ml/min
Typ. peak width at base		
pH High value, long-term	12	
pH Low value, long-term	3	
pH High value, short-term	14	
pH Low value, short-term	2	
Average particle diameter	110	μm
Code no	1034558	
Typical loading range	1–150	mg
Mol. Weight range		
Scan rate		

\* Mandatory parameter



**NTA Superflow Cartridge (1 ml) — QIAGEN cat. no. 30821**

<b>Parameter</b>	<b>Value</b>	<b>Unit</b>
Height*	2.8	cm
Diameter*	0.67	cm
Column volume	1 ml	
Column volume unit*	ml	
Technique*	Affinity	
V <sub>t</sub>		ml
V <sub>o</sub>	0.0	ml
Max pressure*	0.5	MPa
Default flowrate*	1.0	ml/min
Max flowrate	10.0	ml/min
Typ. peak width at base		
pH High value, long-term	12	
pH Low value, long-term	3	
pH High value, short-term	14	
pH Low value, short-term	2	
Average particle diameter	110	μm
Code no	1049325	
Typical loading range	1-30	mg
Mol. Weight range		
Scan rate		

\* Mandatory parameter



**Strep-Tactin™ Superflow Cartridge (1 ml) — QIAGEN cat. no. 30120**

Parameter	Value	Unit
Height*	2.8	cm
Diameter*	0.67	cm
Column volume	1.0	ml
Column volume unit*	ml	
Technique*	Affinity	
V <sub>t</sub>		ml
V <sub>o</sub>	0.0	ml
Max pressure*	0.5	MPa
Default flowrate*	1.0	ml/min
Max flowrate	2.0	ml/min
Typ. peak width at base		
pH High value, long-term	8.0	
pH Low value, long-term	8.0	
pH High value, short-term	13	
pH Low value, short-term	2	
Average particle diameter	110	μm
Code no	1046327	
Typical loading range	Up to 3	mg
Mol. Weight range		
Scan rate		

\* Mandatory parameter

QIAGEN handbooks can be requested from QIAGEN Technical Service or your local QIAGEN distributor. Selected handbooks can be downloaded from [www.qiagen.com/literature/handbooks/default.aspx](http://www.qiagen.com/literature/handbooks/default.aspx).

Material safety data sheets (MSDS) for any QIAGEN product can be downloaded from [www.qiagen.com/ts/msds.asp](http://www.qiagen.com/ts/msds.asp).

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