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## ToyoScreen process development columns

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## About: ToyoScreen Process Development Columns

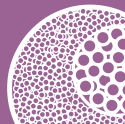
The first part of the development process is the screening and selection of a resin. Due to the diversity in available ligand chemistries and base matrices offered by different vendors (e.g., agarose, methacrylate, styrene/divinylbenzene etc.) it is prudent at the development stage to screen as many resins as possible. A thorough evaluation is a necessity as each target molecule has very different physical and chromatographic properties. Very often a resin that worked in the past for a similar molecule will not work as effectively for the new target molecule.

Historically, resin screening was accomplished by manually packing various bulk resins into small columns requiring a significant investment in time and cost. In order to improve the efficiency of resin screening experiments, pre-packed ToyoScreen columns containing the most popular TOYOPEARL resins now provide a low cost and convenient alternative for the evaluation of TOYOPEARL ligand chemistries.

The 1 mL and 5 mL ToyoScreen columns are available in single or mixed chemistry packs and offer seamless integration with any platform (HPLC, FPLC, and appropriate AKTA® systems).

## Ordering Information - ToyoScreen process development columns

Part #	Description	Matrix	Container size
<b>Ion Exchange</b>			
21366	ToyoScreen CM-650M, 1 mL	polymer	1 mL x 6 ea
21367	ToyoScreen CM-650M, 5 mL	polymer	5 mL x 6 ea
21360	ToyoScreen DEAE-650M, 1 mL	polymer	1 mL x 6 ea
21361	ToyoScreen DEAE-650M, 5 mL	polymer	5 mL x 6 ea
22872	ToyoScreen GigaCap DEAE-650M, 1 mL	polymer	1 mL x 6 ea
22873	ToyoScreen GigaCap DEAE-650M, 5 mL	polymer	5 mL x 6 ea
21859	ToyoScreen GigaCap Q-650M, 1 mL	polymer	1 mL x 6 ea
21860	ToyoScreen GigaCap Q-650M, 5 mL	polymer	5 mL x 6 ea
21868	ToyoScreen GigaCap S-650M, 1 mL	polymer	1 mL x 6 ea
21869	ToyoScreen GigaCap S-650M, 5 mL	polymer	5 mL x 6 ea
21951	ToyoScreen GigaCap CM-650M, 1 mL	polymer	1 mL x 6 ea
21952	ToyoScreen GigaCap CM-650M, 5 mL	polymer	5 mL x 6 ea
21870	ToyoScreen MegaCap II SP-550EC, 1 mL	polymer	1 mL x 6 ea
21871	ToyoScreen MegaCap II SP-550EC, 5 mL	polymer	5 mL x 6 ea
21362	ToyoScreen SuperQ-650M, 1 mL	polymer	1 mL x 6 ea
21363	ToyoScreen SuperQ-650M, 5 mL	polymer	5 mL x 6 ea
21992	ToyoScreen Q-600C AR, 1 mL	polymer	1 mL x 6 ea
21993	ToyoScreen Q-600C AR, 5 mL	polymer	5 mL x 6 ea
21364	ToyoScreen QAE-550C, 1 mL	polymer	1 mL x 6 ea
21365	ToyoScreen QAE-550C, 5 mL	polymer	5 mL x 6 ea
21370	ToyoScreen SP-550C, 1 mL	polymer	1 mL x 6 ea
21371	ToyoScreen SP-550C, 5 mL	polymer	5 mL x 6 ea
21368	ToyoScreen SP-650M, 1 mL	polymer	1 mL x 6 ea
21369	ToyoScreen SP-650M, 5 mL	polymer	5 mL x 6 ea
<b>Hydrophobic Interaction</b>			
21494	ToyoScreen Butyl-600M, 1 mL	polymer	1 mL x 6 ea
21495	ToyoScreen Butyl-600M, 5 mL	polymer	5 mL x 6 ea
21376	ToyoScreen Butyl-650M, 1 mL	polymer	1 mL x 6 ea
21377	ToyoScreen Butyl-650M, 5 mL	polymer	5 mL x 6 ea
21372	ToyoScreen Ether-650M, 1 mL	polymer	1 mL x 6 ea
21373	ToyoScreen Ether-650M, 5 mL	polymer	5 mL x 6 ea
21378	ToyoScreen Hexyl-650C, 1 mL	polymer	1 mL x 6 ea
21379	ToyoScreen Hexyl-650C, 5 mL	polymer	5 mL x 6 ea



Part #	Description	Matrix	Container size	
21892	ToyoScreen Phenyl-600M, 1 mL	polymer	1 mL x 6 ea	
21893	ToyoScreen Phenyl-600M, 5 mL	polymer	5 mL x 6 ea	
21374	ToyoScreen Phenyl-650M, 1 mL	polymer	1 mL x 6 ea	
21375	ToyoScreen Phenyl-650M, 5 mL	polymer	5 mL x 6 ea	
21380	ToyoScreen PPG-600M, 1 mL	polymer	1 mL x 6 ea	
21381	ToyoScreen PPG-600M, 5 mL	polymer	5 mL x 6 ea	
21382	ToyoScreen SuperButyl-550C, 1 mL	polymer	1 mL x 6 ea	
21383	ToyoScreen SuperButyl-550C, 5 mL	polymer	5 mL x 6 ea	
<b>Mixed-Mode</b>				
22824	ToyoScreen MX-Trp-650M, 1 mL	polymer	1 mL x 6 ea	
22825	ToyoScreen MX-Trp-650M, 5 mL	polymer	5 mL x 6 ea	
<b>Affinity</b>				
21386	ToyoScreen AF-Blue HC-650M, 1 mL	polymer	1 mL x 6 ea	
21387	ToyoScreen AF-Blue HC-650M, 5 mL	polymer	5 mL x 6 ea	
21384	ToyoScreen AF-Chelate-650M, 1 mL	polymer	1 mL x 6 ea	
21385	ToyoScreen AF-Chelate-650M, 5 mL	polymer	5 mL x 6 ea	
21390	ToyoScreen AF-Heparin HC-650M, 1 mL	polymer	1 mL x 6 ea	
21391	ToyoScreen AF-Heparin HC-650M, 5 mL	polymer	5 mL x 6 ea	
21388	ToyoScreen AF-Red-650M, 1 mL	polymer	1 mL x 6 ea	
21389	ToyoScreen AF-Red-650M, 5 mL	polymer	5 mL x 6 ea	
<b>Protein A</b>				
22809	ToyoScreen AF-rProtein A-650F, 1 mL	polymer	1 mL x 5 ea	
22810	ToyoScreen AF-rProtein A-650F, 5 mL	polymer	5 mL x 1 ea	
22811	ToyoScreen AF-rProtein A-650F, 5 mL	polymer	5 mL x 5 ea	
23430	ToyoScreen AF-rProtein A HC-650F, 1 mL	polymer	1 mL x 5 ea	
23431	ToyoScreen AF-rProtein A HC-650F, 5 mL	polymer	5 mL x 1 ea	
23432	ToyoScreen AF-rProtein A HC-650F, 5 mL	polymer	5 mL x 5 ea	
<b>Anion Mix Pack (DEAE-650M, SuperQ-650M, QAE-550C, GigaCap Q-650M, Q-600C AR)</b>				
21392	ToyoScreen IEC Anion Mix Pack, 1 mL	polymer	1 mL x 5 grades x 1 each	
21393	ToyoScreen IEC Anion Mix Pack, 1 mL	polymer	5 mL x 5 grades x 1 each	
<b>Cation Mix Pack (CM-650M, SP-650M, SP-550C, GigaCap CM-650M, GigaCap S-650M)</b>				
21394	ToyoScreen IEC Cation Mix Pack, 1 mL	polymer	1 mL x 5 grades x 1 each	
21395	ToyoScreen IEC Cation Mix Pack, 5 mL	polymer	5 mL x 5 grades x 1 each	
<b>IEX Mix Pack (GigaCap Q-650M, SuperQ-650M, Q-600C AR, GigaCap CM-650M, GigaCap S650M, SP-550C)</b>				
21396	ToyoScreen IEC Mix Pack, 1 mL	polymer	1 mL x 5 grades x 1 each	
21397	ToyoScreen IEC Mix Pack, 5 mL	polymer	5 mL x 5 grades x 1 each	
<b>HIC Mix Pack (PPG-600M, Phenyl-600M, Phenyl-650M, Butyl-600M, Butyl-650M, Hexyl-650C)</b>				
21398	ToyoScreen HIC Mix Pack, 1 mL	polymer	1 mL x 5 grades x 1 each	
21399	ToyoScreen HIC Mix Pack, 5 mL	polymer	5 mL x 5 grades x 1 each	
<b>ToyoScreen Accessories</b>				
21400	ToyoScreen Column Holder			
42194	ToyoScreen Holder with fittings		Incl. 1 x 21400, 2 x 42196, 1 x 42195	
42195	Column Coupler, 10-32, 0.03"ID SS Tubing			
42196	Adapter, M6 interior to 10-32 exterior, PEEK			
42197	Adapter, 1/4-28 interior to 10-32 exterior, PEEK			