



Protino® Columns

1 Contents

Cat. No.	Protino® Columns	
	745250.10	745255.10
Protino® Columns 14 ml	10	-
Filter Frit Polypropylene Ø 15.9 mm	10	-
Plastic washer for Protino® Columns 14 ml	10	-
Protino® Columns 35 ml	-	10
Filter Frit Polypropylene Ø 21.7 mm	-	10
Plastic washer for Protino® Columns 35 ml	-	10

2 Product description

Protino Columns are gravity flow chromatography columns with an inserted filter frit of 50 µm pore size. They can be used for retaining e.g. Protino® Ni-TED or Protino® Ni-IDA resin (see ordering information Protino® user manual). The package includes separate filter frits for covering the resin after pouring it into the columns. The upper frit leads to optimal flow rates and prevents the columns from running dry.

3 Specifications

Column material	Polypropylene
Filter frit material	Polyethylene
Filter frit pore size	approx. 50 µm
Filter frit diameter	Protino® Columns 14 ml : 15.9 mm Protino® Columns 35 ml : 21.7 mm
Max. volume	Protino® Columns 14 ml : 14 ml Protino® Columns 35 ml : 35 ml

4 Safety instructions – risk and safety phrases

The components of the Protino® Columns do not contain hazardous contents.

5 Product use restriction / warranty

Attention! Protino® Columns are developed, designed, and sold **for research purpose only**.

All goods have to be checked immediately upon receipt. Damage claims are only acceptable in writing within 8 working days of receipt of all the goods. In case of legitimate claims the buyer can only require replacement of the goods. If replacement is not possible, the buyer has the right to choose between alternative products with same value or refund. The buyer cannot claim further compensation. All returns must first be authorized by us in writing. We offer a one-year warranty from date of delivery that our products will conform to applicable specifications set forth in the product specifications if not sold to persons set forth in § 13 of German Civil Code. In such a case, the provisions of the German Civil Code shall be valid.

This warranty does not cover defects in or damage to the products which are due to improper installation or maintenance, misuse, neglect or any use other than ordinary commercial application.

Any discharge from liability will be void if a defect results from a heavily negligent or intentional breach of contract or if the buyer will be bodily injured as a result from a negligent or intentional breach.

The seller shall not be liable for the goods being fit for a particular purpose unless otherwise agreed upon, to which the buyer intends to put them.

This warranty is strictly exclusive. Any further damage compensation is impossible.

MACHEREY-NAGEL MAKES no other warranty of any kind whatsoever, and SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES OF ANY KIND OR NATURE WHATSOEVER; DIRECTLY OR INDIRECTLY; EXPRESS OR IMPLIED; INCLUDING; WITHOUT LIMITATION; AS TO THE SUITABILITY; REPRODUCIBILITY; DURABILITY; FITNESS FOR A PARTICULAR PURPOSE OR USE; MERCHANTABILITY; CONDITION; OR ANY OTHER MATTER WITH RESPECT TO MACHEREY-NAGEL PRODUCTS OR THE SALE OF MACHEREY-NAGEL PRODUCTS.

If not superseded by these terms the current terms and conditions for the sale of goods (export version) are additionally valid.

6 Service Bioanalysis

Technical support and customer service

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