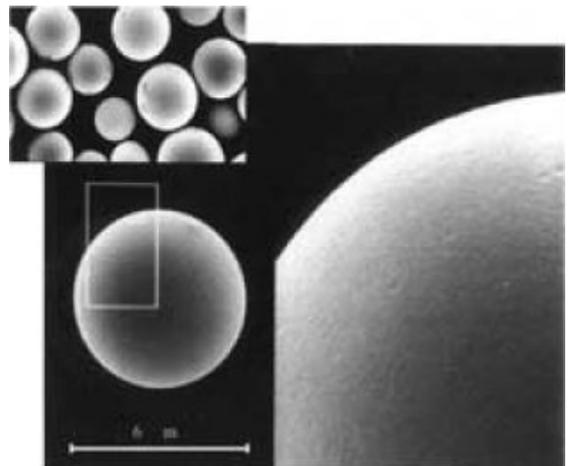




Titansphere (TiO₂)

Titanium Dioxide HPLC Cartridges, Columns, Capillaries and Pipette Tips.
Highly selective enrichment of phosphorylated peptides from complex peptide mixtures.

- **Extremely selective for phosphorylated peptide extraction and/or enrichment from proteolytic digests**
- **More selective than IMAC for most applications**
- **Available in HPLC cartridge, column, capillary, as well as low-pressure Pipette-Tip formats**



A completely new base material for HPLC column developed by GL Sciences consisting of spherical particles of titanium dioxide (TiO₂).

Titansphere has been found to be particularly effective in the selective enrichment of phosphorylated peptides from proteolytic digests.

Titansphere offers greater selectivity for phosphopeptides than alternative methods, such as IMAC (immobilized metal affinity chromatography). Typically, IMAC shows significant binding of non-phosphorylated peptides which have multiple acidic residues. This problem is easily eliminated by using Titansphere.

Typically, PEEK cartridges or non-metal capillaries containing Titansphere are used to selectively bind phosphorylated peptides from a peptide mixture. The phosphorylated peptides are then eluted from the column onto a reverse-phase HPLC column for further characterization or analyzed directly by MS.

Product & Price list

Non metal Phosphopeptides Extraction Column

Nano columns

Product	Unit	Cat.#	Price €HT
Fused Silica Tubing and Peek Frits			
Titansphere, 5 micron, 30 x 0.05mm	1	5020-50NI30-TIO	647.50
Titansphere, 5 micron, 30 x 0.075mm	1	5020-75NI30-TIO	647.50
Titansphere, 5 micron, 30 x 0.1mm	1	5020-100NI30-TIO2	647.50
Titansphere, 5 micron, 30 x 0.2mm	1	5020-200NI30-TIO2	647.50
Fused Silica Tubing and Stainless steel Frits			
Titansphere, 5 micron, 50 x 0.05mm Capillary EX-Nano Column	1	5020-01960-TIO2	647.50
Titansphere, 5 micron, 50 x 0.075mm Capillary EX-Nano Column	1	5020-01965-TIO2	647.50
Titansphere, 5 micron, 50 x 0.1mm Capillary EX-Nano Column	1	5020-01970-TIO2	647.50
Titansphere, 5 micron, 50 x 0.2mm Capillary EX-Nano Column	1	5020-01975-TIO2	647.50
Titansphere, 5 micron, 50 x 0.3mm Capillary Column	1	5020-01860-5U-TIO2	647.50
Titansphere, 5 micron, 150 x 0.3mm Capillary Column	1	5020-01861-5U-TIO2	684.50
Titansphere, 5 micron, 50 x 0.5mm Capillary Column	1	5020-01862-5U-TIO2	647.50
Titansphere, 5 micron, 150 x 0.5mm Capillary Column	1	5020-01863-5U-TIO2	684.50
Titansphere, 5 micron, 50 x 0.7mm Capillary Column	1	5020-01864-5U-TIO2	647.50
Titansphere, 5 micron, 150 x 0.7mm Capillary Column	1	5020-01865-5U-TIO2	684.50
Titansphere, 5 micron, Capillary EX Column Guard, 2 x 0.3mm	1	5020-01877-5U-TIO2	499.50
Cap-EX connection Kit	1 Kit	5020-01880	83.50
Peek column and Peek frits			
Titansphere, 5 micron, 2.0 x 0.3mm	1	5020-01879-5U-TIO2	555.00
Non Metal Cartridges – On line Analytical column for Phosphopeptide Enrichment			
Titansphere, 5 micron, 2 Cartridges, 10 x 1.0mm ID PEEK	2/pkg	5020-08683-5U-TIO2	555.00
Titansphere, 5 micron, 2 Cartridges, 10 x 2.1mm ID PEEK	2/pkg	5020-08682-5U-TIO2	555.00
Titansphere, 5 micron, 2 Cartridges, 10 x 3.0mm ID PEEK	2/pkg	5020-08681-5U-TIO2	555.00
Titansphere, 5 micron, 2 Cartridges, 10 x 4.0mm ID PEEK	2/pkg	5020-08680-5U-TIO2	555.00
Titansphere, 5 micron, 1 Holder, 2 Cartridges, 10 x 1.0mm ID PEEK	1 Kit	5020-08693-5U-TIO2	666.00
Titansphere, 5 micron, 1 Holder, 2 Cartridges, 10 x 2.1mm ID PEEK	1 Kit	5020-08692-5U-TIO2	666.00
Titansphere, 5 micron, 1 Holder, 2 Cartridges, 10 x 3.0mm ID PEEK	1 Kit	5020-08691-5U-TIO2	666.00
Titansphere, 5 micron, 1 Holder, 2 Cartridges, 10 x 4.0mm ID PEEK	1 Kit	5020-08690-5U-TIO2	666.00

Other inner diameter are existing : 0.05 mm, 0.075 mm, 0.1 mm, 0.2 mm, 0.3 mm, 0.5 mm, 0.7 mm, 1.5 mm and 4.6 mm. Please ask for their catalog number and price.