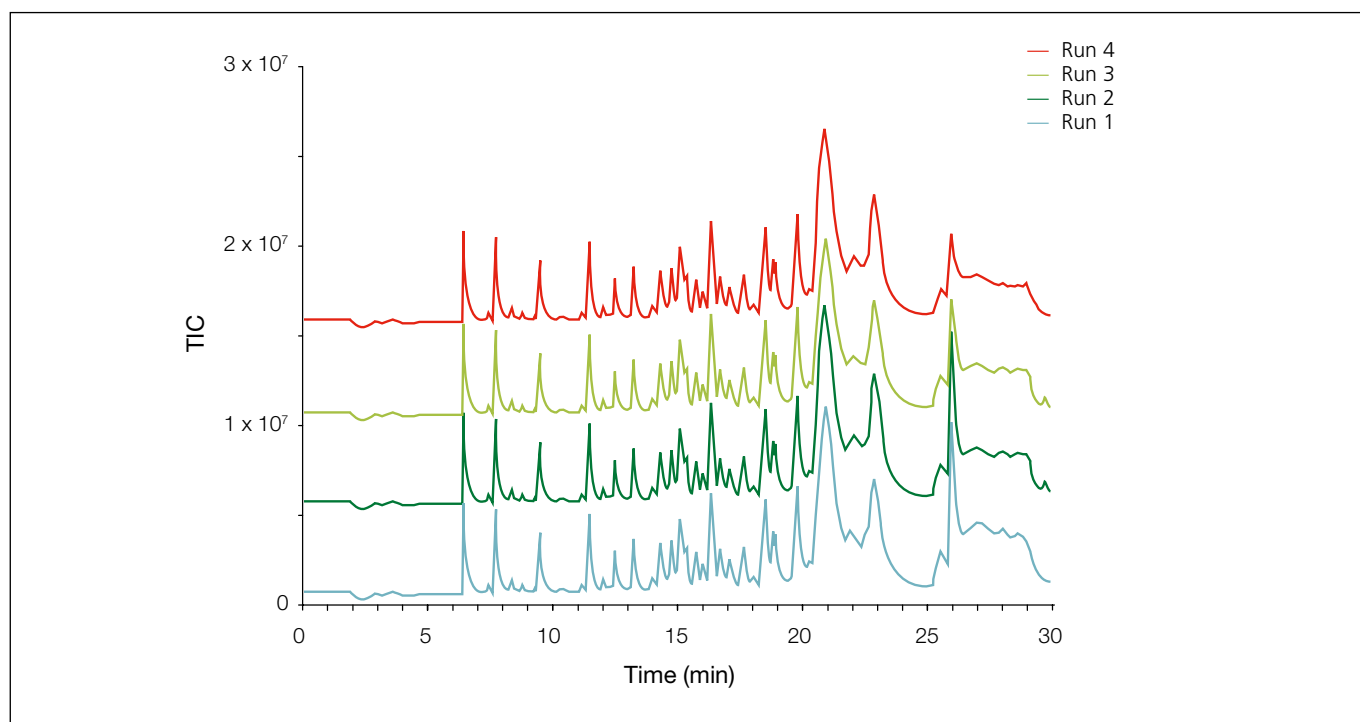


Immobilized pepsin digestion of Cytochrome-C

ProDx Protease (Pepsin)

Column part number	PDX.PP01-F32		
Column	30 mm x 2.1 mm ID ProDx Protease (Pepsin) bio-inert stainless steel glass lined column	Loading flow	200 μ L/min of 0.05% TFA in water (pH 2.5) for 2 min
Sample	2 μ L of (0.4 mg/mL) equine Cytochrome-C diluted in 18 μ L of water	Analytical gradient	13% to 35% over 23 min: with 95% acetonitrile / 5% of 0.05% TFA in water
		Trap type	20 mm x 530 μ m ID ProDx C8 Analog* trap column
Denatured with	30 μ L of (1.6 M) Guanidine Hydrochloride in (0.8%) Formic acid	Detection	FT-TIC



ProDx Protease columns have been developed to meet the needs of 0°C HDX experiments and fluidics systems.

ProDx Protease columns are robust enough to handle high concentrations of Guanidine Hydrochloride (6.4 M), Urea (8 M), TCEP (4 M) as well as many other favored quench solutions.

- It is recommended that care is taken to balance the concentration of quench solutions against the flow rate used to load and desalt the sample after digestion.
- If salt adducts are visible in subsequent chromatography, this is an indication that either a higher flow rate, or longer digestion/ desalting time may be required.
- If sample carryover is observed it may be necessary to reverse the direction of the column to allow backflushing of the loading end frit.
- Do not use any organic solvents (even in low concentrations) to address carryover - doing so will reduce the activity of the column.
- Flow rates: ProDx Protease columns are designed to be used at flow rates from 100 μ L/min up to 400 μ L/min of 100% Acidified Aqueous solutions (1.5 to 4 pH).

- Pressure: ProDx Protease columns have been developed to operate at pressures of up to 1000 bar. To ensure that this maximum range is attainable in your system, please make sure you are using ProDx fittings or other hardware that is rated for the pressure ratings desired.
- Operating temperature: Column performance can be reduced if the column is maintained and operated above 15°C for extended periods of time, or if exposed to non-acidified aqueous reagents or organic reagents.
- Storage conditions: 2°C to 8°C, Aqueous buffer at 2.5 pH. Do not freeze or allow to become frozen.

For more information visit www.trajanscimed.com or contact techsupport@trajanscimed.com

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