

HALCON



The First Purpose-built Solution for Real-time Protein Titer Monitoring

Chromatography
Without Complexity



REDSHIFTBio®

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Protein Titrers On Demand

HaLCon Protein Titer Technology

- Protein A liquid chromatography on demand
- Data quality that correlates with off-line HPLC measurements
- Sample-to-answer in under six minutes
- Streamlined operation for ease-of-use
- No chromatography expertise required
- Sample flow path is completely contained
- Compact design
- Minimal maintenance
- Can integrate with automated sampling systems

Accurately measure protein (IgG) titer within 5-6 minutes using HaLCon, a purpose-built liquid chromatography system that provides rapid, actionable data so you can make critical process control decisions in real-time.

HaLCon is the only instrument to use HPLC-quality liquid chromatography without the need for method development, preparatory work, or specialized training.

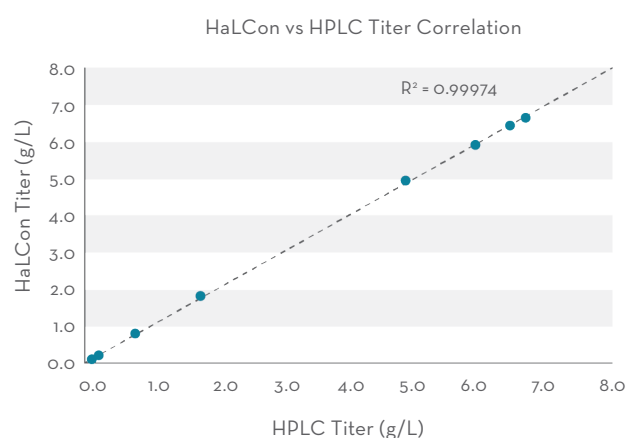
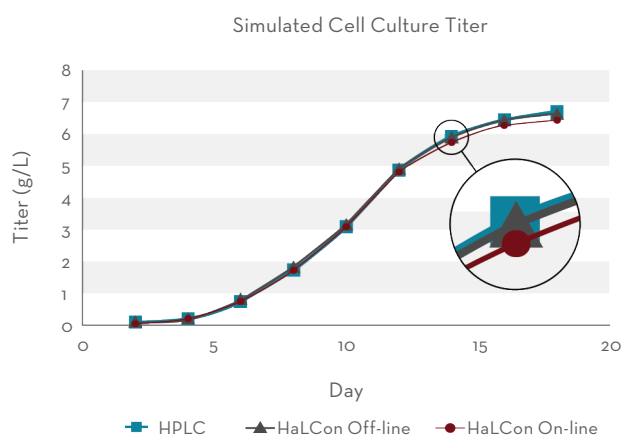
HaLCon is the fastest, simplest, and most accurate protein titer measurement solution for bioprocessing.

No more bottlenecks:

- Excellent tool for development, pilot, MS&T, and/or manufacturing
- Decrease time between DoE /cell culture runs; No more waiting hours or days for results
- Seamless integration into your biomanufacturing suite without disrupting existing workflows
- Sample-to-answer within 6 minutes
- Fast, easy-to-use, accurate, reproducible
- No chromatography expertise required

See How HaLCon Compares to HPLC

Be confident in your titer measurements with HaLCon, which delivers protein titer concentration that correlates to off-line HPLC measurements across an extraordinary dynamic range.





Nest Autosampler

Boost efficiency with our latest in high-throughput automation

- Multi-sample automation with fast turnaround time
- Holds up to 2 x 96 well plates or 2 racks x 48-2 mL vials
- Low sample volume (100µL)
- Perfect titer solution for Ambr 15/250
- Cooling and non-cooling options
- High throughput titer automation saves valuable time and money
- Delivers fast and accurate results without the need for method development or specialized training



Real-time data is actionable data!

HALCON PRODUCT SPECIFICATIONS	
Dimensions (H x W x D)	20.5 x 9.75 x 16 in (52 x 25 x 48 cm)
Dry Weight	Approx. 30 lbs / 14 kg
Power Requirements	External: 100 – 240 VAC, 50 – 60 Hz Input: 100-240V, 1.5A
Certifications	RoHS, REACH, CE
Reagent and Analysis Module Shelf Life	2 year shelf life / 90 days on instrument
Reagent Capacity	1,000 analyses
Analysis Time	< 5 minutes
Analyte	IgG (all subtypes)
Accuracy vs HPLC	+/- 10%
Dynamic Range	0.1 g/L – 10 g/L
Environmental	15-40°C, 20-100% relative humidity, non-condensing

HALCON ORDERING INFORMATION	
Part Number	Description
BP110-0001	HaLCon Protein Analyzer, 110 VAC / 60 Hz, NA
BP210-1000	HaLCon Reagent Pack, Titer, 1,000 tests
BP310-1000	HaLCon Analysis Module, Titer, 1,000 tests



Experience the transformative impact of automated real-time protein titer monitoring for bioprocessing!

Contact our experts today:
info@redshiftbio.com

NEST PRODUCT SPECIFICATIONS	
Dimensions (H x W x D)	300mm x 510 mm x 360 mm (without cooling) 300mm x 575 mm x 360 mm (with cooling)
Dry Weight	19 kg (without cooling) 21 kg (with cooling)
Power Requirements Power Consumption:	100-240 Vac +/- 10%, 50-60 Hz 200VA
Certifications	CE, RoHS, FCC, ICES-01, IEC61010-1, IEC61010-2-081, IEC61326-1, EN5011/CISPR11 UL and CSA Approved
Sampling Vessels	96 well plates, 2 ml vials
Sample Capacity	192 (96 well plates) 96 (2 ml vials)
Analysis Time	6 minutes
Injection Volume	100 µL
Carryover	<0.1%
Wash Solvent	Integrated with solvent bottle
Wetted Parts in Flow Path	SS316, PTFE, TEFZEL, VESPEL, Glass, Teflon
Operating Temperature	10-40 ° C

Options (factory installed)

Sample Tray Cooling	Built -in Peltier cooling Range: 4 ° C to Ambient -3 ° C Temp: Air temperate in sample compartment: 4 ° C +/- 2 ° C (at teperature sensor) (Temperature at relative humidity of 80% and ambient temperature of 25 ° C)
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NEST ORDERING INFORMATION

Part Number	Description
BP840-002	Nest Autosampler, without cooling
BP840-003	HaLCon Reagent Pack, Titer, 1,000 tests



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For ordering and technical support
please visit redshiftbio.com/products/halcon