

Max8

Blot Transfer System



Fast, Uniform Protein Transfer for Western Blotting

Designed for high-throughput Western blot workflows.



Casting
GelMaster46
Gel Casting System



Transfer
Max8
Blot Transfer System



Processing
AutoBlot4
Blot Processor



Imaging
SignalView CL
Imaging System

The **Max8 Blot Transfer System** combines the advantages of wet and semi-dry transfer technologies to deliver fast, uniform, and highly reproducible protein transfer in a fraction of the time required by conventional methods. Engineered for high-throughput laboratories, it supports parallel processing of multiple gels while maintaining efficient transfer across a broad molecular weight range. Its intuitive interface and streamlined workflow simplify daily laboratory operations.

KEY FEATURES



Scalable & Flexible Workflow

The Max8 features four independently controlled transfer stations, enabling simultaneous processing of up to 8 mini gels or 4 midi gels. Each station supports flexible gel configurations and transfer programs.

2 mini gels



1 midi gel



Figure 1: Flexible workflow. Each station accommodates either 2 mini gels or 1 midi gel.



Fast & Efficient Transfer

The system delivers efficient, uniform, and reliable protein transfer across a broad molecular weight range, with performance comparable to conventional wet transfer.

Max8 (15 min)

Conventional Transfer (60 min)

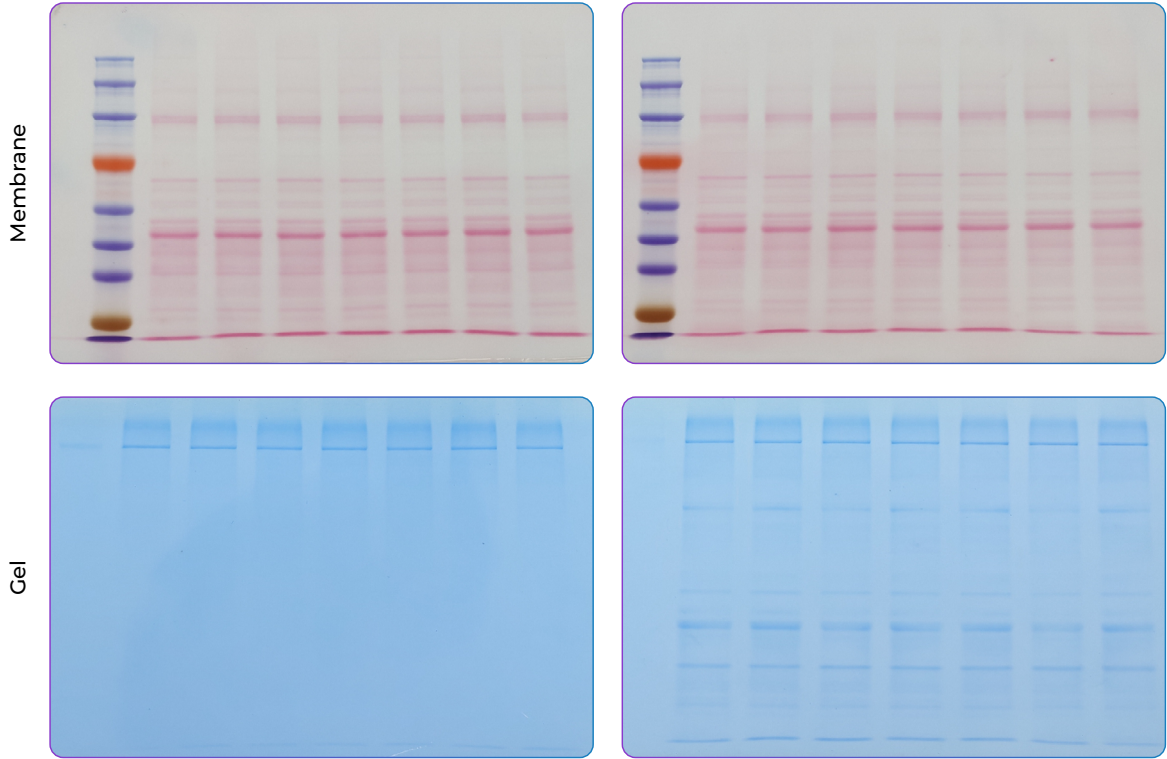


Figure 2: Comparison of Protein Transfer Efficiency. Mouse muscle lysates (10 µg per lane) were separated on a 10% Tris-Glycine gel (1.5 mm). Proteins were transferred using the Max8 system (Standard method, 15 min) or conventional wet transfer (300 mA, 60 min). Ponceau S-stained membranes and Coomassie-stained gels after transfer are shown.



High Reproducibility & Consistent Results

The instrument demonstrates reproducible transfer across four independent stations and high transfer uniformity within individual gels.

Station-to-Station Reproducibility

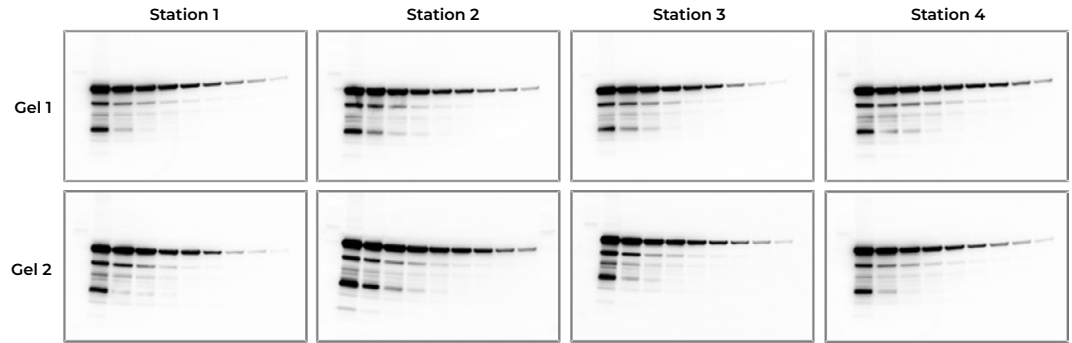


Figure 3: Consistent Station-to-station Transfer. Mouse skeletal muscle lysates separated on a 4–20% Bis-Tris precast gel with serial dilutions from 10 to 0.039 µg per lane. Proteins were transferred across four Max8 transfer stations using the Standard method and detected using an HRP-conjugated anti-GAPDH antibody.

Intra-Blot Consistency

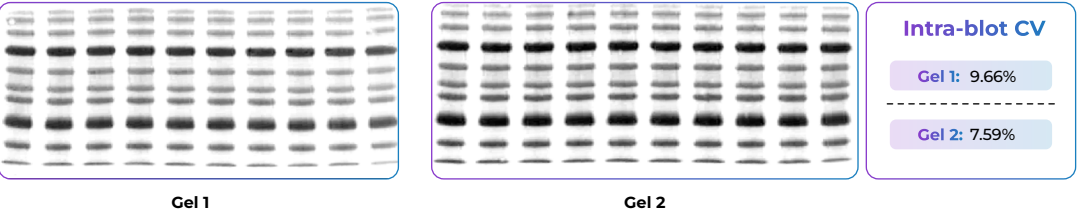


Figure 4: Consistent Performance Across Lanes. Equal amounts of protein ladder were loaded into each well for SDS-PAGE separation. Gels were transferred using the Max8 Standard method. The results demonstrate high intra-blot consistency when processing two mini gels within the same station.



Broad Molecular Weight Compatibility

The Max8 delivers strong signal intensity and consistent transfer across a broad molecular weight range (16-260 kDa) on a single membrane. The system also enables efficient transfer of high-molecularweight proteins up to 469 kDa.

Broad-Range Simultaneous Transfer (16–260 kDa)

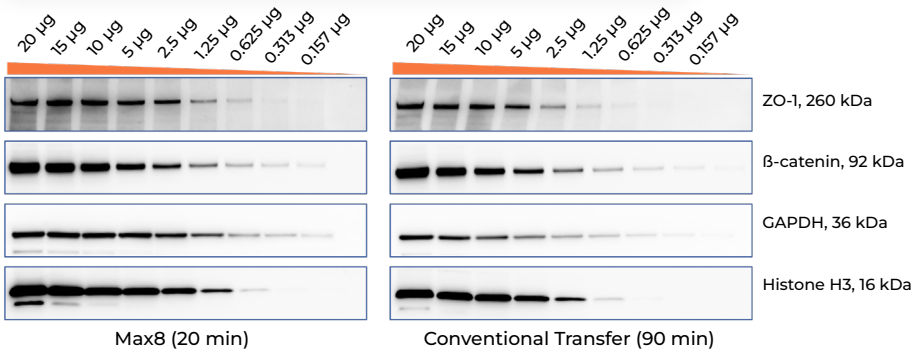


Figure 5: Broad Molecular Weight Protein Transfer Performance. PC12 cell lysates were separated on a 4–20% Bis-Tris precast gel with serial dilutions from 20 to 0.157 µg per lane. Proteins were transferred using the Max8 system (Extended method, 20 min) or conventional wet transfer (300 mA, 90 min) and detected by chemiluminescence.

Efficient Transfer of Large Proteins (>250 kDa)

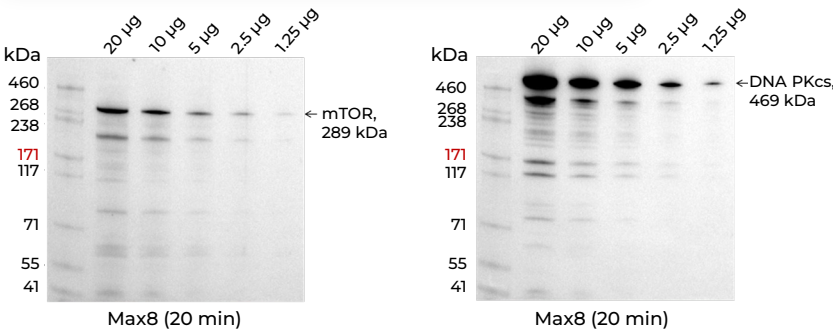


Figure 6: Excellent transfer performance for ultra-large proteins. HeLa cell lysates were separated on a 4–8% Tris Acetate gel with serial dilutions from 20 to 1.25 µg per lane. Proteins were transferred using the Max8 system (Extended method, 20 min) and detected by chemiluminescence.



High Transfer Sensitivity

The Max8 enables sensitive detection of low-abundance proteins, delivering on average 2.57-fold higher total band intensity compared to conventional methods.

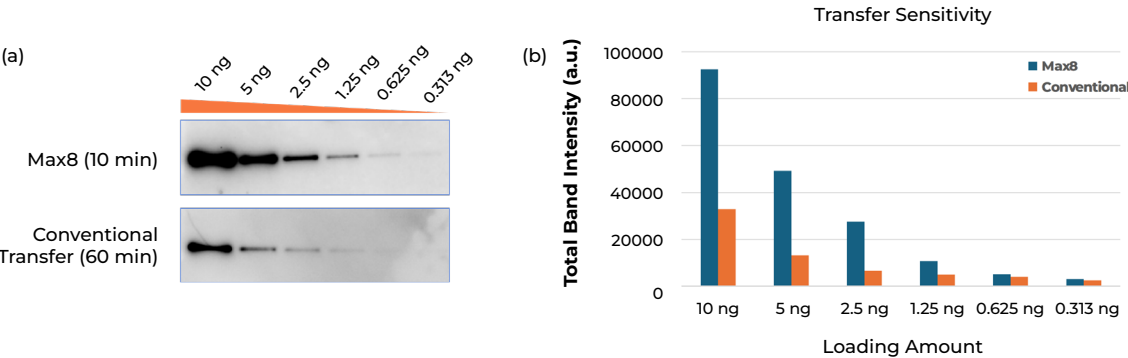


Figure 7: Protein Transfer Sensitivity Comparison. Recombinant GFP was separated on a 4–20% Bis-Tris gel (1.0 mm, MOPS) with serial dilutions from 10 to 0.313 ng per lane. Proteins were transferred using the Max8 system (Fast method, 10 min) or conventional wet transfer (300 mA, 60 min) and detected by chemiluminescence using an anti-GFP antibody (a). Quantification of total band intensity is shown in (b).



Easy-To-Use Interface

The intuitive touchscreen interface provides guided operation through an intuitive touchscreen interface, allowing for fast setup with minimal user training.

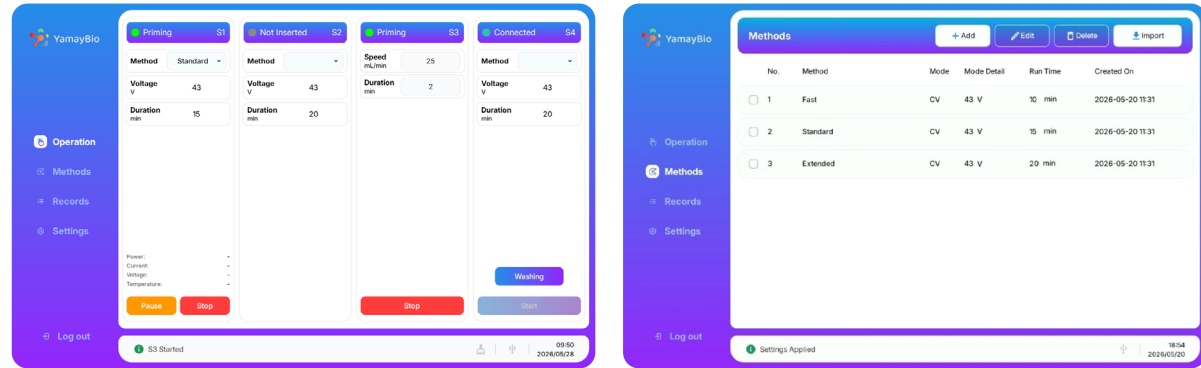


Figure 8: Software Interface. Screenshots showing multiple transfer stations operating independently (left) and method selection (right).

Ordering Information



Max Series Blot Transfer System and Accessories

CAT. NO.	DESCRIPTION
M8101	Max8 Blot Transfer System
M4101	Max4 Blot Transfer System
M8101A1	Tubing Set (For Max Series)
M8101A2	Transfer Cassette (For Max Series)
M8101A3	Mesh Plate Set for Transfer Cassette, 2 Pieces
M8101A4	Reagent Container, 5 L
EICM0473	Transfer Cassette Tray
EICM0070	Incubation Box (S)
EICM0135	Incubation Box (M)



Max8



Consumables and Reagents

CAT. NO.	DESCRIPTION
M8013	Sponge Pad, 40 Pieces (For Max Series)
PVDFMR022	PVDF Membrane, 0.22 μ m, 26.5 cm $\times$ 3.7 m, 1 Roll
BPM8022	PVDF Membrane, 0.22 μ m, Precut, 6 $\times$ 9 cm, 40 Pieces (For Max Series)
MIDIBPO22	PVDF Membrane, 0.22 μ m, Precut, 8.5 $\times$ 13.5 cm, 10 Pieces
NCMR022	Nitrocellulose Membrane, 0.22 μ m, 30 cm $\times$ 3.0 m, 1 Roll
BNM8022	Nitrocellulose Membrane, 0.22 μ m, Precut, 6 $\times$ 9 cm, 40 Pieces (For Max Series)
MIDIBNO22	Nitrocellulose Membrane, 0.22 μ m, Precut, 8.5 $\times$ 13.5 cm, 10 Pieces
MS8134	Transfer Buffer Instant Granules



Specifications



Feature	Max8	Max4
Dimensions (W x D x H)	400 × 355 × 440 mm (15.7 × 14.0 × 17.3 in)	270 × 355 × 395 mm (10.6 × 14.0 × 15.6 in)
Weight	27 kg (59.5 lbs)	17 kg (37.5 lbs)
Station	4	2
Throughput	8 Mini Gels or 4 Midi Gels simultaneously	4 Mini Gels or 2 Midi Gels simultaneously
Power Supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Status Indicators	3-Color System Status Light	3-Color System Status Light
Operating Temperature	4-30 °C	4-30 °C

For research use only. Not for use in diagnostic procedures.



YamayBio



Head Office (USA)

6191 Cornerstone Court, Suite 107,
San Diego, CA 92121,
USA

info@yamaybio.com

www.yamaybio.com

+1 833-429-2629

Hong Kong Office

Flat D, 6/F, Haribest Industrial Building
45-47 Au Pui Wan Street Sha Tin, New
Territories Hong Kong

info@yamaybio.com

www.yamaybio.com

+852 37535669