azure biosystems

Azure Aqua™ Vertical Gel Running System

QUAD MINI-CELL | TRANSFER CELL | POWER SUPPLY

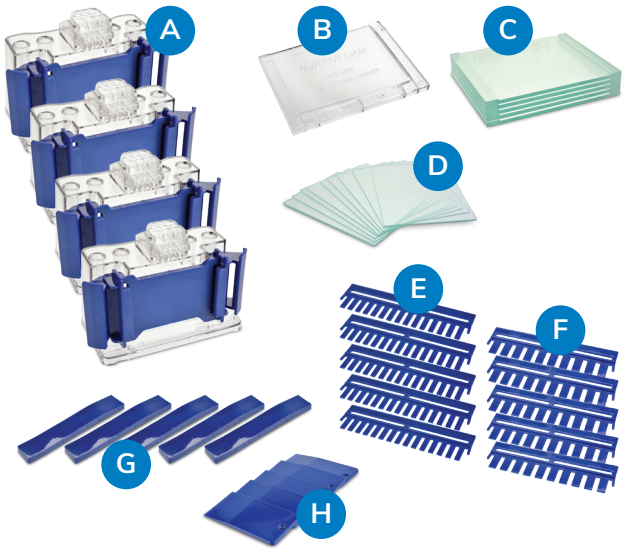
AZURE AQUA QUAD MINI-CELL

AC4200

The Azure Aqua Quad Mini-Cell is designed for running 1–4 precast or handcast gels (cassette size 10cm x 8cm) for electrophoresis. The locking side fasteners provide a tight seal that ensure rapid and easy electrophoresis.

Comes with 4 gel bases and casting frames. Perfect for handcasting your own gels.

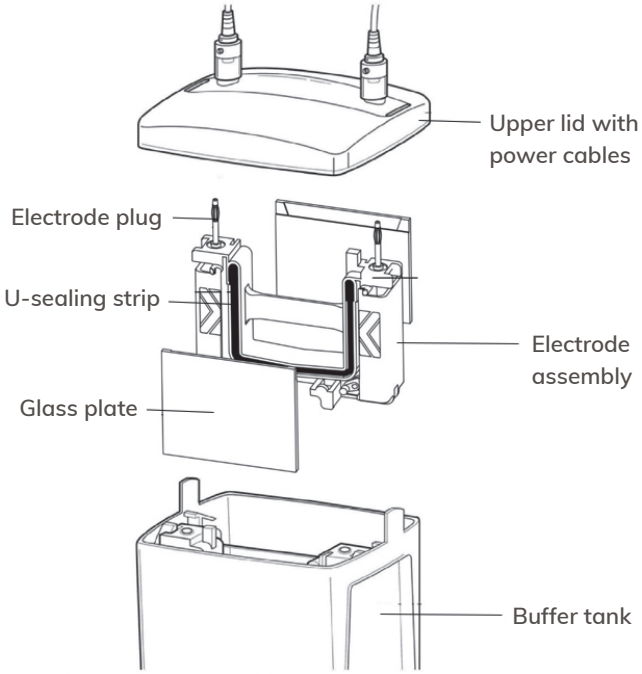
INCLUDES



A. 4 gel bases and casting frames)
B. 1 buffer dam
C. 5 spacer plates
D. 10 short glass plates
E. 5 15-well combs
F. 5 10-well combs
G. 5 sealing gaskets
H. 5 gel shovels

HOW TO ASSEMBLE

Align the spacer and short glass plates, seal between the hinges, and allow your gel to polymerize. Insert the polymerized gel into the electrophoresis module for an efficient gel running experiment.



AZURE AQUA TRANSFER CELL

AC4201

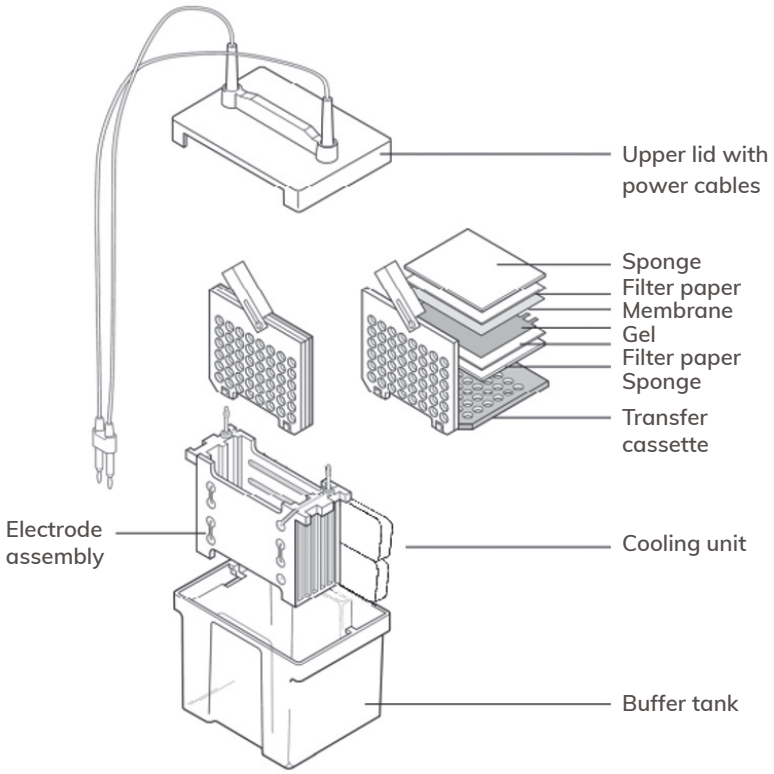
The Azure Aqua Transfer Cell is used for transferring two mini gels to membranes for Western blotting experiments (wet transfer). The transfer cassettes and electrode core are colored for directionality which makes transferring easy and straightforward.

Perform a quick, 1-hour transfer or transfer overnight at a lower voltage.

INCLUDES

A. 2 Azure Aqua cooling units
B. 6 sponges
C. 2 transfer cassettes

HOW TO ASSEMBLE



AZURE AQUA POWER SUPPLY

AC4202

The Azure Aqua Power Supply is a universal power supply that is designed for powering electrophoresis and transfer modules. The power supply can create and save protocols for all your gel and blotting experiments. Includes a pause/resume function for flexibility.

The system comes equipped with four power connections to run multiple experiments at once, and can control constant power, current, or voltage.

Shown used with Azure Aqua Transfer Cell (AC4201)

SPECIFICATIONS

	Azure Aqua Quad Mini-Cell	Azure Aqua Transfer Cell	Azure Aqua Power Supply
Part number	AC4200	AC4201	AC4202
Product description	4-gel cell includes 5 1mm gel combs (10 and 15 well), 5 spacer plates (1.5mm optional), 10 short glass plates, 4 casting stands, 4 casting frames, 5 gel shovels, electrode assembly, tank, lid with power cables, and mini-cell buffer dam. Compatible with mini gels cassette dimensions 10 x 8 cm.	Transfer cell includes 2 gel transfer cassette holders, 6 sponges, 2 cooling units, electrode assembly, tank, and top lid with wire.	Power supply includes output range of 5–600V, 1–1200mA, 1–500W, LCD readable voltage, current, power, and 4 connections for electrophoresis and transfer.
Unit dimensions (W X L X H)	13.5cm x 17.5cm x 19cm	13.5cm x 17.5cm x 19cm	24cm x 30.5cm x 10cm
Weight	2.2 lbs	1.8 lbs	5.6 lbs
Recommended power supply	Azure Aqua Power Supply 600V		N/A
Number of gels	1-4 precast (most major brands) or handcast gels	2 precast or handcast gels	N/A
Tank buffer volume	2 gels: 540mL; 4 gels: 1100mL	1100 mL	N/A
Maximum gel size	6.7cm x 8.6cm	7.5cm x 10cm	N/A
Typical run times	30-45 minutes at 200V	1 hour at 55V	N/A
Gel cassette size (WxL)	10cm x 8cm	N/A	
Number of cassettes	N/A	2	N/A
Blotting area	N/A	7.5cm x 10cm	N/A
Output specifications	N/A		600V, 1.2A, 500W
Safety features	N/A		Automatic monitoring of over-voltage, no load, overload, and short circuit
Type of output	N/A		4 output terminals with constant voltage, current, and power

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MM-0128 R1