

## SHAKE UP YOUR CELL CULTURE

# 7406 INCUBATOR SHAKER

When it comes to mammalian cell culture in suspension, precision is everything. The 7406 Incubator Shaker from Caron Scientific delivers complete environmental control with customizable shaking speeds, CO<sub>2</sub> and humidity regulation, and contamination-free operation.

Designed for high-throughput labs facing production space constraints, the 7406 combines large capacity with a compact footprint, so you don't have to sacrifice performance for space.

### WHY CHOOSE THE 7406 INCUBATOR SHAKER?

#### TOTAL CONTROL OVER KEY GROWTH PARAMETERS

Your cells require precise conditions—the 7406 delivers:

- ✓ **TEMPERATURE PRECISION:** 5°C to 60°C, with ±0.1°C control and ±0.3°C uniformity for stable growth.
- ✓ **CO<sub>2</sub> ACCURACY:** 0–20% adjustable range, maintained by infrared sensors with ±0.1% accuracy.
- ✓ **PURE ATOMIZED HUMIDITY —NO PUDDLES INCLUDED.** Maintain ambient to 90% RH with ±3% control, preventing culture drying or excess condensation.
- ✓ **ADJUSTABLE ORBITS:** Adjustable RPM speeds with orbit sizes of 0.75", 1", 1.5", and 2" for optimized mixing adjustable orbits.

#### HOW CLEAN IS YOUR INCUBATOR?

A clean incubator is a productive incubator. The 7406 features advanced contamination control, so your research stays on track:

- ✓ **H<sub>2</sub>O<sub>2</sub> STERILIZATION CYCLE** eliminates microbial risks, keeping cultures safe.
- ✓ **SEAMLESS STAINLESS STEEL INTERIOR** for easy cleaning and microbial protection.





## HEIGHT MATTERS: MORE CAPACITY, LESS WASTED SPACE

Most incubator shakers consume valuable lab space, requiring stacked units that limit capacity and increase contamination risks.

The 7406 eliminates the need for multiple units, maximizing storage without wasting space. Designed for labs with production space constraints, this multi-tiered incubator shaker delivers high-capacity shaking in a sleek, vertical design.

- ✓ More shaking capacity in a single footprint
- ✓ Consistent environmental conditions across all tiers
- ✓ Fewer units, less risk of contamination, and easier maintenance

**STOP STACKING. START OPTIMIZING.**

## PROVEN PERFORMANCE: LOAD CAPACITY & RPM TESTING

Caron Scientific's 7406 Incubator Shaker was tested under real-world conditions to ensure precise control across various flask sizes.

Flask Size	Max Number of Flasks per shaker	Max Number of Flasks per Incubator	Max RPM for .75" Orbit	Max RPM for 1" Orbit	Max RPM for 1.5" Orbit	Max RPM for 2" Orbit
125mL	59	177	425	255	240	200
250mL	38	114	425	245	235	190
500mL	24	72	305	235	220	185
1L	16	48	280	225	210	170
2L	9	27	250	225	200	170
5L	6	18	215	180	175	140

From high-speed small-flask applications to large-scale production, the 7406 ensures stable, contamination-free shaking for every culture.

## READY TO TAKE YOUR CELL CULTURE TO THE NEXT LEVEL?

The 7406 Incubator Shaker is built to streamline your workflow, optimize your research, and deliver contamination-free results—every time.

*Get in touch today to find the perfect fit for your lab!*