

Corning® Tissue Culture (TC)-treated Roller Bottles

Technical Brief

CORNING

Corning has been manufacturing disposable roller bottles for cell culture since the 1970s. They are an ideal option for cell scale up and production due to the ease-of-use and high surface area-to-volume ratio.

Benefits

- ▶ **Size options:** Available with four different surface areas for applications ranging from small scale to large scale manufacturing
- ▶ **Lot number traceability:** Individually printed lot numbers facilitate quality assurance and tracking
- ▶ **Certified nonpyrogenic:** Documented endotoxin level less than 0.5 EU/mL
- ▶ **Certification program:** Signed certificates provide quality specifications for each lot. Additional product information available upon request.

- ▶ **Cap options:** Available with Easy Grip caps with large knurls for ergonomic handling, and Easy Grip vent caps for consistent gas exchange
- ▶ **Packaging options:** Choose from multiple packaging options

Application

Corning and competitor roller bottles were used to culture two commonly used cell lines. Upon confluence, cells were harvested and analyzed for viable cell density. Figure 1A demonstrates a statistical improvement in cell yield when HEK-293 cells were cultured in Corning roller bottles as compared to competitor roller bottles. In Figure 1B, a higher cell yield was observed when Vero cells were cultured in Corning roller bottles when compared to competitor roller bottles.

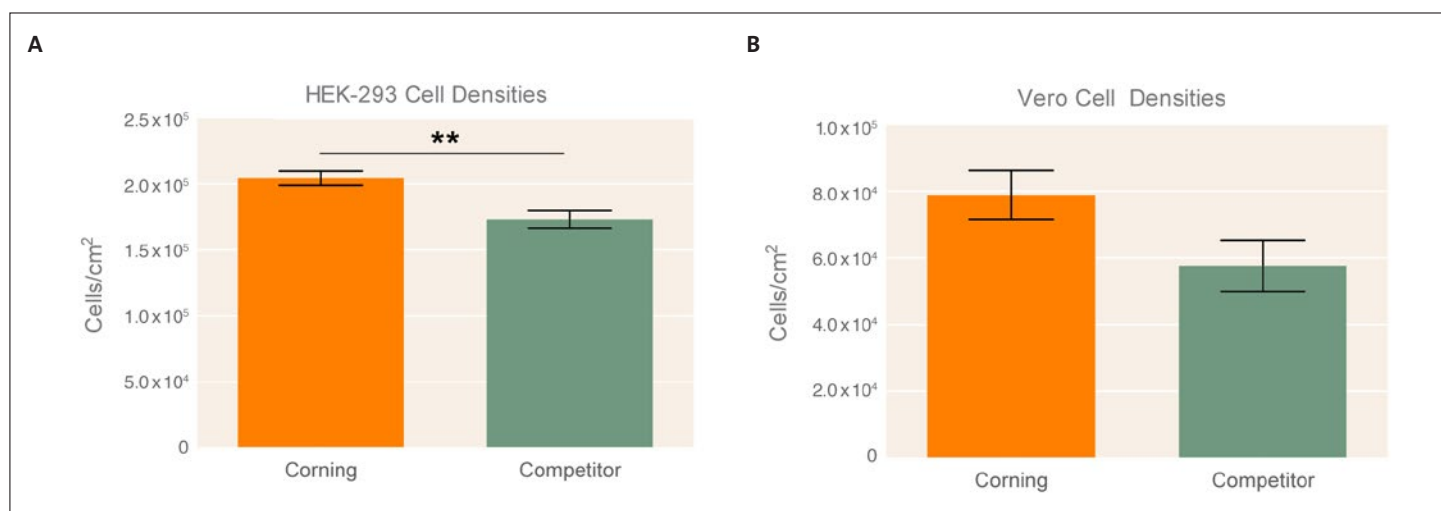


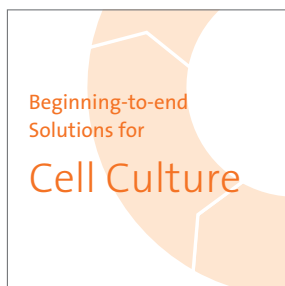
Figure 1. Cell densities for HEK-293 and Vero cell lines, n=9 vessels from three independent studies for each cell line. HEK-293 cells were cultured in IMDM medium supplemented with 10% FBS. Vero cells were cultured in L-15 medium containing 5% FBS. T-test, **p value <0.005.

Ordering Information

Corning® Roller Bottles

Cat. No.	Surface Area (cm ²)	Cap Style	Surface	Graduations	Qty/Pk	Qty/Cs
430195	490	Plug Seal	TC-treated	No	2	40
430849	850	Easy Grip	TC-treated	Yes	2	40
431198	850	Easy Grip, Vent	TC-treated	Yes	2	40
430851	850	Easy Grip	TC-treated	Yes	5	40
431133	850	Easy Grip	TC-treated	Yes	20	20
430852	1,700	Easy Grip	TC-treated	Yes	2	40
430853	1,700	Easy Grip	TC-treated	Yes	5	40
431135	1,700	Easy Grip	TC-treated	Yes	20	20
431191	1,700	Easy Grip, Vent	TC-treated	Yes	20	20
430699	1,750	Easy Grip	TC-treated	Yes	10	20
3907	850	Easy Grip	Corning CellBIND®	Yes	2	40
431329	850	Easy Grip, Vent	Corning CellBIND	Yes	2	40
431344	850	Easy Grip	Corning CellBIND	Yes	22	44
431134	1,700	Easy Grip	Corning CellBIND	Yes	20	20

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.



At Corning, cells are in our culture. In our continuous efforts to improve efficiencies and develop new tools and technologies for life science researchers, we have scientists working in Corning R&D labs across the globe, doing what you do every day. From seeding starter cultures to expanding cells for assays, our technical experts understand your challenges and your increased need for more reliable cells and cellular material.

It is this expertise, plus a 160-year history of Corning innovation and manufacturing excellence, that puts us in a unique position to offer a beginning-to-end portfolio of high-quality, reliable cell culture consumables.

For additional product or technical information, please call 800.492.1110 or visit www.corning.com/lifesciences. Customers outside the United States, call +1.978.442.2200 or contact your local Corning sales office listed below.

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