

Thermo Scientific Nunc TufRol PS Roller Bottles



- **Ergonomic design.** Unique indentation in the bottom of TufRol EZ Roller Bottles facilitates both manual and automated handling
- **Pleated surface** increases growth area by over 40% without taking up additional space. The unique vertical pleats make emptying easier and with less product retention
- **Easy on/off caps** are engineered to prevent misthreading while providing a secure seal

Easier and faster upscaling

Minimize validation of cell culture scale-up processes from plates to flasks to roller bottles by choosing a family of products that utilize polystyrene materials.

Nunc TufRol™ PS Roller Bottles are available with a smooth surface with an industry standard growth area of 850 cm² or a pleated surface of 1450 cm². Easy on/off standard or vented caps are available.

We worked hard to make it easy

Working with valuable cell cultures, you need to rely on critical consumables that will not distract you from the matter at hand. That is why we have worked hard to make our roller bottles as easy to use as possible.



TufRol EZ Roller Bottles can be held from the bottom when pouring; a comfortable and convenient grip for many production technicians

cell growth is nothing
without control

**Your cell cultures are valuable, often irreplaceable.
Surround them with an environment you can trust.**

Thermo Scientific HyClone SFM4MegaVir is a protein-free medium containing no animal derived components to support culture of adherent cell lines.

This regulatory-friendly medium is developed through Metabolic Pathway Design™ to increase process yields in the manufacture of viral vaccines in a variety of cell lines including Vero, COS-7, MDCK and MDBK.

- Suitable for direct adaptation
- Component traceability
- Manufactured according to cGMP guidelines