

# ProCulture® Spinner Flasks

Designed to save time and increase cell production, **ProCulture®** Spinner Flasks have internal baffles for enhanced agitation and a magnetically driven vortex impeller that provides gentle top-to-bottom stirring.

- Patented dynamic vortex impeller design eliminates dead spots and extends above the media surface to maximize aeration
- Flask base has central bump to prevent cells from accumulating at the bottom center
- Entire assembly made of FDA approved materials



## ProCulture® Wide-Mouth Spinner Flasks

Complete Assembly

- Provides easy component access assembly, cleaning, & sterilization

Thomas Catalog No.	Capacity	Center Neck Size	Side Arm Thread
<a href="#">1140X47</a>	3 L	120mm	GL45
<a href="#">1140X48</a>	6 L	120mm	GL45
<a href="#">1140X49</a>	8 L	120mm	GL45
<a href="#">1140X50</a>	15 L	120mm	GL45
<a href="#">1140X51</a>	36 L	120mm	GL45

## ProCulture® Spinner Flasks with Shur-Loc® Caps

Complete Assembly

- Ideal for cultures that require a controlled environment
- Center neck cap has a unique compression O-ring that provides a visible seal

Thomas Catalog No.	Capacity	Center Neck Size	Side Arm Thread
<a href="#">1140X52</a>	3 L	140mm	GL45
<a href="#">1140X53</a>	6 L	140mm	GL45
<a href="#">1140X54</a>	8 L	140mm	GL45
<a href="#">1140X55</a>	15 L	140mm	GL45
<a href="#">1140X56</a>	36 L	140mm	GL45

ProCulture® and Shur-Loc® are registered trademark of SP Industries Inc.

## ProCulture® Spinner Flasks

Complete Assembly

Thomas Catalog No.	Capacity	Center Neck Size	Side Arm Thread
<a href="#">1140X38</a>	125 mL	70mm	GL32
<a href="#">1140X39</a>	250 mL	70mm	GL32
<a href="#">1140X40</a>	500 mL	100mm	GL45
<a href="#">1140X41</a>	1 L	100mm	GL45
<a href="#">1140X42</a>	3 L	100mm	GL45
<a href="#">1140X43</a>	6 L	100mm	GL45
<a href="#">1140X44</a>	8 L	100mm	GL45
<a href="#">1140X45</a>	15 L	100mm	GL45
<a href="#">1140X46</a>	36 L	100mm	GL45



# Cell Culture Essentials



### Thomas® Inverted Microscope

- Ideal for live cell or tissue culture examinations
- Equipped with phase contrast and brightfield capabilities
- Large stage surface improves specimen access



### Bluetooth® Thermometer Hygrometer Data Loggers

- Ideal for incubator use
- Broadcast readings to Apple® or Android® devices
- Store readings for up to 30-days



### ProCulture® Shaker Flasks

- Varying baffle depths spaced at 120° for ideal oxygenation
- Delong, Beaded Rim, and Fernbach styles available



### CRYO-SAFE -1°C Freeze Controller

- Provides "controlled rate" freezing at approximately -1°C per minute
- Prevents lethal intracellular freezing and successful cryopreservation



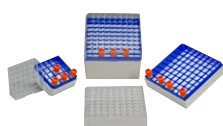
### 4-Channel Electronic Timer with White Board

- Keeps track of time and other critical information
- Audible alarm for each channel



### Wash Bottles with GHS Labeling

- Available in 14 Solvents including bleach & ethanol
- Unique valve design improves use and safety



### Cryo-Safe™ Vial Storage Boxes

- For use in cell storage down to -196°C
- Printed grid for easy inventory



### Switch-Grid™ Test Tube Racks

- Holds up to two different size tubes in the same rack
- Grids can be quickly switched to hold other sizes as needed



### Trigger Sprayer, with 53mm Adapter

- Adds the convenience of adjustable spray to wash bottles
- Ideal for workbench sanitation