



## Microcarrier Starter Kit

**Microcarrier types:** Kit includes seven types listed below; five are animal protein free.

**Catalog reference number:** SK102-1521 (B)

### Description:

This Microcarrier Starter Kit provides an excellent means to determine which microcarrier type is optimum for your media formulation and cell line. The kit includes 35g total, 5g each of seven microcarrier types, five of which are animal protein free. Protocols for small-scale spinner level cultures are also provided for all the microcarrier types. *The animal protein-free H112-170 series is SoloHill's newest microcarrier and features a cationic charge for rapid cell attachment plus a very narrow bead diameter range, which provides for improved cell synchronization.*

### Applications:

- For general cell and tissue culture use with any anchorage-dependent cell line.
- PP102-1521 and H112-170 types are particularly useful in cultures using animal protein-free media.

\*The animal protein-free series are identified in the table below and listed in blue.

General Microcarrier Properties							
Type	Part Number	Core Material	Surface Coating	Surface Charge	Relative Density	Bead Diameter (microns)	Surface Area (cm <sup>2</sup> /gram)
Collagen	C102-1521	Crosslinked Polystyrene	Type A porcine gelatin	No	1.02	125-212	360
FACT III	F102-1521	Crosslinked Polystyrene	Cationic, Type A porcine gelatin	Yes	1.02	125-212	360
Glass*	G102-1521*	Crosslinked Polystyrene	High silica glass	No	1.02	125-212	360
Plastic*	P102-1521*	Crosslinked Polystyrene	None	No	1.02	125-212	360
Plastic Plus*	PP102-1521*	Crosslinked Polystyrene	Cationic	Yes	1.02	125-212	360
ProNectin® F*	PF102-1521*	Crosslinked Polystyrene	Recombinant RGD-containing protein	Yes	1.02	125-212	360
Hillex® II*	H112-170*	Modified Polystyrene	Cationic trimethyl ammonium	Yes	1.11	160-200	515

### Protocol:

SoloHill technical briefs are provided with your shipment. The protocols are also available on our web site at [www.solohill.com](http://www.solohill.com). SoloHill Technical Support can be contacted at 734-973-2956 or via email at [techsupport@solohill.com](mailto:techsupport@solohill.com).

### Delivery:

Starter Kits are generally available from stock at SoloHill; contact Customer Service for price and delivery details at [sales@solohill.com](mailto:sales@solohill.com).

### Packaging, storage and preparation:

- Microcarriers are supplied dry and may be stored at room temperature.
- Microcarriers are supplied non-sterile. Prior to use autoclave at 121° C in DI water for at least 30 minutes.
- H112-170 series swells to 515 cm<sup>2</sup>/gram after hydration.