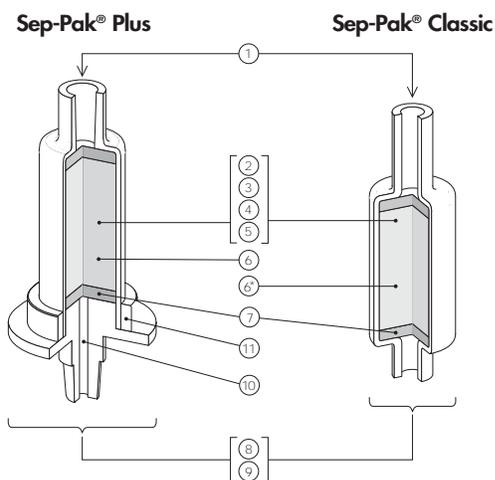
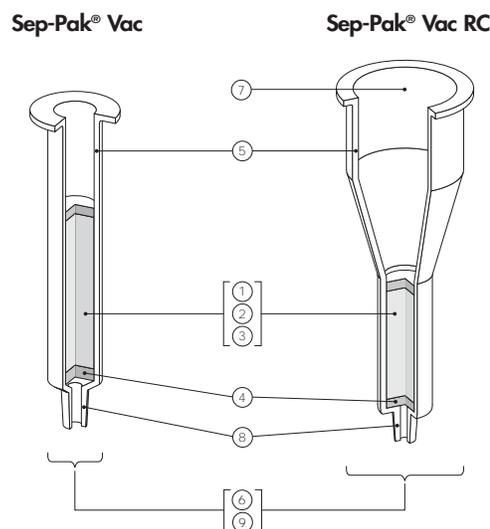


## The Anatomy of Sep-Pak® Plus and Classic Cartridge Design



1. Female Luer inlet accepts male Luer tip. Plus cartridge design can be stacked.
2. Highest quality sorbents designed and made specifically for sample preparation; clean, dry, reproducible in activity and capacity with optimal surface area, pore, and particle size distributions.
3. Broad range of sorbent surface activities available; each lot is tested under rigid specifications for chromatographic activity, retention and selectivity.
4. Sorbent type and bed dimensions equal to corresponding Sep-Pak® Classic cartridges enable direct transfer of previously developed and published methods to new Plus design.
5. Weight of sorbent in each cartridge is controlled within +/- 5% of specification to assure reproducible performance.
- 6\*. Advanced bed formation technology to minimize voids and channels. Patented Radial Compression Technology used to form homogeneous packed bed free of voids and channels.
7. Special blend of HD and UHMW polyethylenes used for 20 micron frits imparts excellent solvent resistance, extremely low extractables level, and good flow properties. Frit also acts as depth filter for small amounts of sample debris.
8. Polyethylene body has excellent solvent resistance. All body parts are quality tested to verify extremely low level of UV-absorbing extractables. Plus design is molded for precise dimensions making it suitable for automated equipment.
9. Cartridges are sealed in a special polyfoil pouch to protect product integrity, sorbent activity and purity.
10. Male Luer outlet has reduced internal volume for minimal sample hold-up.
11. Color-coded ring compresses and seals the cartridge and identifies sorbent.

## The Anatomy of Sep-Pak® Vac and Vac RC Cartridge Designs



1. Highest quality sorbents designed and made specially for sample preparation; clean, dry, reproducible in activity and capacity, with optimal surface area pore and particle size distributions.
2. Broad range of sorbent surface activities available; each lot is tested under rigid specifications for chromatographic activity, retention and selectivity.
3. Weight of sorbent in each cartridge is controlled within +/- 5% of specification to assure reproducible performance.
4. Special blend of HD and UHMW polyethylenes used for 20 micron frits.
5. Molded, medical grade polypropylene body.
6. Cartridges are sealed in a special polyfoil pouch to protect product integrity, sorbent activity and purity.
7. Integral reservoir approximately 20 mL, robotic compatible.
8. Outlet male Luer tip.
9. Color-coded labeling on the cartridge to identify the sorbent.

\* P.D. McDonald, C. W. Rausch, Radial Compression of Packed Beds, U.S. Patent # 4,250,035 (1981); Great Britain # 1,569,700 (1976); Canada # 1,101,785 (1981); Japan # 1,400,983 (1987); Sweden # 450,750 & # 453,437 (1987); Germany # 2,655,650 (1988); other patents pending.