

POLYMER SCREENING KIT 1

Description: Kit includes series of block copolymers that are soluble in organic solvents but not water. Kit is ideal for solid state drug delivery systems such as microparticles and films as well as for mechanical adaptations (such as plasticization of bulk material) of a variety of implantable materials.

Contains:

Item Number	Polymer	Polymer Name	Polymer Molecular Weight in Daltons
1	AK01	Methoxy Poly(ethylene glycol)-b-Polycaprolactone	2,000:5,200
2	AK02	Methoxy Poly(ethylene glycol)-b-Poly(lactic-co-glycolic acid)	2,000:4,110
3	AK03	Methoxy Poly(ethylene glycol)-b-Poly(L-lactide)	2,000:1,700
4	AK04	Methoxy Poly(ethylene glycol)-b-Poly(L-lactide)	2,000:5,000
5	AK05	Methoxy Poly(ethylene glycol)-b-Poly(L-lactide)	2,000:10,000
6	AK07	Methoxy Poly(ethylene glycol)-b-Poly(L-lactide)	5,000:4,900
7	AK08	Poly(L-lactide)-b-Poly(ethylene glycol)-b-Poly(L-lactide)	2,400:2,000:2,400
8	AK10	Methoxy(Poly(ethylene glycol)-b-Poly((D,L)lactic-co-glycolic acid))	5,000:10,000
9	AK15	Poly(lactic-co-glycolic acid)-b-Poly(ethylene glycol)-b-Poly(lactic-co-glycolic acid)	5,000:1,000:5,000
10	AK16	Poly(lactic-co-glycolic acid)-b-Poly(ethylene glycol)-b-Poly(lactic-co-glycolic acid)	70,000:4,600:70,000
11	AK20	Poly(lactic-co-glycolic acid)-b-Poly(ethylene glycol)-b-Poly(lactic-co-glycolic acid)	70,000:2,000:70,000
12	AK11	Poly((D,L)lactic-co-glycolic acid)-b-Poly(ethylene glycol)-b-Poly((D,L)lactic-co-glycolic acid)	1,600:1,000:1,600

Each vial contains 100 mg polymer, which is enough for a 10% (w/v) solution when dissolved in 1 ml of organic solvent. Vials can hold up to 4 ml total solvent.

It is recommended that dichloromethane is used to remove polymers from vials. Other organic solvents can be used as well, but have not been tested.

