

Title of the Invention

Method for producing polylactic acid block copolymer

Abstract of the Invention

5        It is an object of the present invention to provide a  
method for producing a polylactic acid block copolymer having  
high molecular weight, and in lower cost, wherein only a  
stereo-complex crystal is capable of growing, even when heat  
melting process is repeated. The present invention relates  
10 to a method for producing a polylactic acid block copolymer  
characterized in that (i) ring-opening polymerization of  
D-lactide (D component) is carried out in the presence of  
poly-L-lactic acid (L component), or (ii) ring-opening  
polymerization of L-lactide (L component) is carried out in  
15 the presence of poly-D-lactic acid (D component), and mass  
ratio of the D component and the L component is the D component  
/ the L component = 60/40 to 91/9, or the L component / the  
D component = 60/40 to 91/9.