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**Recent Trends for Commercialization of Artificial Organ by Tissue Engineering**

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(Ilwoo Lee, Department of Neurosurgery, Catholic University, Medical College, 520 - 2, Taeheungdong, Jungku, Daejon 301 - 723, Korea)

(Hai Bang Lee, Biomaterials Lab., KRICT, P.O.Box 107, Yusung, Daejon 305 - 606, Korea)

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1.

1. (2001. 1. 1 )	3,300
2. 2000	7,800 (6 )
3. 2001. 1. 1	73
4. 1995-2001	16%
5. (16 ) 가 (2001. 1. 1. )	3 5,800 (26 )
6. (1990-2001 )	4 5,500 (35 )

2.

( )	1980	890	570
(%)	60	27	11
2000	4 700 (3 6 3 )	2 262 (1 7 4 )	780 (6 )
1998 (%)	+85	0	-30

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		<a href="http://www.aastrom.com">http://www.aastrom.com</a> <a href="http://www.acorda.com">http://www.acorda.com</a> <a href="http://www.advancedcell.com">http://www.advancedcell.com</a> <a href="http://www.advanced.tissue.com">http://www.advanced.tissue.com</a> <a href="http://www.algenix.com">http://www.algenix.com</a> (617) 442 - 7840 (214) 630 - 3393 <a href="http://www.Bioheartinc.com">http://www.Bioheartinc.com</a> <a href="http://www.biotissue - tec.com">http://www.biotissue - tec.com</a> <a href="http://www.cbd - biotech.com">http://www.cbd - biotech.com</a> <a href="http://www.targen.com/cellexsys">http://www.targen.com/cellexsys</a> <a href="http://www.circebio.com">http://www.circebio.com</a> <a href="http://www.codon.de">http://www.codon.de</a> <a href="http://www.collagenesis.com">http://www.collagenesis.com</a> <a href="http://www.cookgroup.com/cook_biotech">http://www.cookgroup.com/cook_biotech</a> <a href="http://www.curis.com">http://www.curis.com</a> <a href="http://www.dendreon.com">http://www.dendreon.com</a> <a href="http://www.diacrin.com">http://www.diacrin.com</a> <a href="http://www.edwards.com">http://www.edwards.com</a> (919) 786 - 4036 (612) 789 - 5940 <a href="http://www.fidiapharma.it">http://www.fidiapharma.it</a> <a href="http://www.ahp.com/hom">http://www.ahp.com/hom</a> <a href="http://www.laboratoires - genevrier.com">http://www.laboratoires - genevrier.com</a> <a href="http://www.genzymebiosurgery.com">http://www.genzymebiosurgery.com</a> <a href="http://www.geron.com">http://www.geron.com</a> <a href="http://www.hgsi.com">http://www.hgsi.com</a> <a href="http://www.hybrid - organ.com">http://www.hybrid - organ.com</a> <a href="http://www.intercardia.com">http://www.intercardia.com</a> <a href="http://www.integra - ls.com">http://www.integra - ls.com</a> <a href="http://www.intercytex.com">http://www.intercytex.com</a> <a href="http://www.isletmedical.com">http://www.isletmedical.com</a> <a href="http://www.islet.com">http://www.islet.com</a> <a href="http://www.isotis.com">http://www.isotis.com</a> <a href="http://www.ixion - biotech.com">http://www.ixion - biotech.com</a> 011 - 41 - 254 - 9933 <a href="http://www.laytonbio.com">http://www.laytonbio.com</a> <a href="http://www.lifecell.com">http://www.lifecell.com</a> <a href="http://www.medtronic.om">http://www.medtronic.om</a> <a href="http://www.mdxn.ch">http://www.mdxn.ch</a> <a href="http://www.exten.com">http://www.exten.com</a> <a href="http://www.nephrotherapeutics.com">http://www.nephrotherapeutics.com</a> (301) 314 - 2671 <a href="http://www.neurotech.fr">http://www.neurotech.fr</a> <a href="http://www.nexellinc.com">http://www.nexellinc.com</a> (949) 727 - 1942 <a href="http://www.neuronyx.com">http://www.neuronyx.com</a> <a href="http://www.organogenesis.com">http://www.organogenesis.com</a> <a href="http://www.orquest.com">http://www.orquest.com</a> <a href="http://www.ortecinternational.com">http://www.ortecinternational.com</a> <a href="http://www.oriristx.com">http://www.oriristx.com</a> <a href="http://www.obi.com">http://www.obi.com</a> <a href="http://www.proneuron.com">http://www.proneuron.com</a> <a href="http://www.reconstructive.com">http://www.reconstructive.com</a> <a href="http://www.regenbio.com">http://www.regenbio.com</a> <a href="http://www.reneuron.com">http://www.reneuron.com</a> <a href="http://www.renovo - ltd.com">http://www.renovo - ltd.com</a> <a href="http://www.selectivegenetics.com">http://www.selectivegenetics.com</a> <a href="http://www.sertoli.com">http://www.sertoli.com</a> <a href="http://www.sinethic.com">http://www.sinethic.com</a> <a href="http://www.smith - nephew.com">http://www.smith - nephew.com</a> <a href="http://www.sjm.com">http://www.sjm.com</a> <a href="http://www.stemcellsciences.com.au">http://www.stemcellsciences.com.au</a> <a href="http://www.cyto.com">http://www.cyto.com</a> <a href="http://www.sulzermedica.com">http://www.sulzermedica.com</a> <a href="http://www.teibio.com">http://www.teibio.com</a> <a href="http://www.theracyte.com">http://www.theracyte.com</a> <a href="http://www.tissueeng.com">http://www.tissueeng.com</a> <a href="http://www.tissueinformatics.com">http://www.tissueinformatics.com</a> <a href="http://www.tcubedinc.com">http://www.tcubedinc.com</a> <a href="http://www.titanpharm.com">http://www.titanpharm.com</a> + +44(0) 77885 558859 <a href="http://www.vgen.com">http://www.vgen.com</a>	C C M S M S S S C C M S S S S C C M C S S M M S M S C S S S M C M C M C S S S S S C M S S S C C S S M C M S M
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( )			

• C : , cellular. M : , metabolic. S : , structural.

4.

1995	3,198	(2.46 )
1998	5,655	(4.35 )
2001	7,930	(6.10 )

- 1990 : 4 5 5 (35 ) .
- (CAGR, compound annual growth rate) : 16%.

5.

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16 50	28
51 125	11
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 5 8 (26 ) 가  
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4.

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1998  
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