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SEQUENCE LISTING

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<120> SYNTHETIC HYDROGELS FOR ORGANOGENESIS

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<151> 2019-07-29

<160> 35

<170> PatentIn version 3.5

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<221> X

<222> (3)..(3)

<223> X is hydroxyproline

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Gly Phe Xaa Gly Glu Arg

1 5

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Pro His Ser Arg Asn

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<400> 3

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Gly Cys Arg Gly
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Gly Cys Arg Glu Ile Ser Ala Phe Leu Gly Ile Pro Phe Ala Glu Pro
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Pro Met Gly Pro Arg Arg Phe Leu Pro Pro Glu Pro Lys Lys Pro
20 25 30

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Gly Cys Arg Glu Thr Leu Gln Pro Val Tyr Glu Tyr Met Val Gly Val
1 5 10 15

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<222> (3) .. (3)
<223> X is any one of the natural amino acids, but preferably arginine
(Arg, R)

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Leu Pro Xaa Thr Gly
1 5

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<222> (3) .. (3)

<223> X is any one of the natural amino acids, but preferably arginine
(Arg, R)

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Leu Pro Xaa Ser Gly

1 5

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<222> (3) .. (3)

<223> X is any one of the natural amino acids, but preferably arginine
(Arg, R)

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Leu Ala Xaa Thr Gly

1 5

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Gly Cys Arg Asp Gly Pro Gln Gly Ile Ala Gly Gln Asp Arg Cys Gly

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<222> (3) .. (3)

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<223> X is hydroxyproline

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Gly	Cys	Arg	Glu	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Arg
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Gly	Asp	Ser	Pro
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<221> X

<222> (4)..(4)

<223> X is POG (proline, hydroxyproline, glycine) repeated 9 times,

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Gly	Cys	Arg	Glu	Arg	Asp	Gly	Ser	Pro
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<210> 14

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<213> Artificial Sequence

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<223> Synthetic Peptide

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Gly Cys Arg Glu Arg Gly Asp Ser Pro
 1 5

<210> 15

<211> 19

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<222> (9)..(9)

<223> X is GPP repeated 5 times

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<222> (12)..(12)

<223> X is hydroxyproline

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<221> X

<222> (16)..(16)

<223> X is GPP repeated 5 times

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Gly Gly Tyr Gly Gly Gly Pro Gly Xaa Gly Phe Xaa Gly Glu Arg Xaa
 1 5 10 15

Gly Pro Cys

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<222> (9)..(9)

<223> X is GPP repeated 5 times

<220>

<221> X

<222> (12)..(12)

<223> X hydroxyproline

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 <223> X is GPP repeated 5 times

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Gly Pro Cys

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Gly	Cys	Arg	Gly	Pro	Pro	Phe	Leu	Met	Leu	Leu	Lys	Gly	Ser	Thr	Arg
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Val	Pro	Gln	Ile	His	Gly	Gln	Asn	Lys	Gly	Asn	Gln	Ser	Phe	Glu	Glu
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Asp Thr Glu

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Val	Pro	Gln	Ile	Gln	Gly	Gln	Asn	Lys	Gly	Asn	Gln	Ser	Phe	Glu	Glu
1				5					10					15	

Asp Thr Glu

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<400> 20

Val	Pro	Gln	Ile	His	Gly	Gln	Asn	Asn	Gly	Asn	Gln	Ser	Phe	Glu	Glu
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Asp Thr Glu

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Asp Thr Glu

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Val	Pro	Gln	Ile	His	Gly	Gln	Asn	Ile	Gly	Asn	Gln	Ser	Phe	Glu	Glu
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Asp Thr Glu

<210> 23
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<223> Synthetic Peptide

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Val	Pro	Gln	Ile	Gln	Gly	Gln	Asn	Ile	Gly	Asn	Gln	Ser	Phe	Glu	Glu
1				5					10					15	

Asp Thr Glu

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Val	Pro	Gln	Ile	Ala	Gly	Gln	Asn	Lys	Gly	Asn	Gln	Ser	Phe	Glu	Glu
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Asp Thr Glu

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Val	Pro	Gln	Ile	Ala	Gly	Gln	Asn	Ala	Gly	Asn	Gln	Ser	Phe	Glu	Glu
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Asp Thr Glu

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<400> 26

Leu	Pro	Arg	Thr	Gly	Gly	Gly
1				5		

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Leu Pro Glu Thr Gly
 1 5

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<400> 29

Leu Pro Arg Thr Gly
 1 5

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<400> 30

Gly Cys Arg Glu Leu Pro Arg Thr Gly Gly Gly Lys
 1 5 10

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Gly	Cys	Arg	Asp	Val	Pro	Met	Ser	Met	Arg	Gly	Gly	Asp	Arg	Cys	Gly
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Gly	Cys	Arg	Asp	Leu	Pro	Arg	Thr	Gly	Gly	Pro	Gln	Gly	Ile	Trp	Gly
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Gln	Asp	Arg	Cys	Gly
			20	

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Gly	Cys	Arg	Asp	Leu	Pro	Arg	Thr	Gly	Gly	Pro	Gln	Gly	Ile	Ala	Gly
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Gln	Asp	Arg	Cys	Gly
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1			5	

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