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### List of publication(s)

#### Research article:

1. Brahma, R.K. et al. Identification and characterization of *Rhipicephalus* (*Boophilus*) *microplus* and *Haemaphysalis bispinosa* ticks (Acari: Ixodidae) of North East India by ITS2 and 16S rDNA sequences and morphological analysis, *Exp.Appl.Acarol.* **62** (2), 253--265, 2014.
2. (Communicated) Brahma, R.K. et al. Expression and characterization of haemathrins, Madanin-like thrombin inhibitors, isolated from the salivary gland of tick *Haemaphysalis bispinosa* (Acari: Ixodidae).

#### Workshop/Conference/Symposium:

1. Brahma, R.K. and Doley R. Morphological and molecular characterization of cattle tick, a potential source of anticoagulant proteins, *National Conference on "Snakebite Management" of Toxinological Society of India* (10 – 12 December, 2012), organized by Department of Biochemistry, University of Mysore, Mysore, Karnataka.
2. Brahma, R.K. and Doley R. Molecular characterization of cattle ticks from Sonitpur district, Assam based on ITS2 and 16S rDNA, *Recent Trends in Bioresource Management & Biodiversity Conservation* (17 – 19 October, 2013), organized by Centre with Potential for Excellence in Biodiversity, Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh.
3. Brahma, R.K. and Doley R. Search for novel thrombin inhibitors from blood-sucking arachnids – Ticks, *The 4<sup>th</sup> Annual Conference and International Colloquium of Toxinological Society of India* (20 – 22 November, 2014), organized by Department of Clinical & Experimental Pharmacology, Calcutta School of Tropical Medicine, Kolkata, West Bengal.

## Appendix I

### DMEM (Dulbecco's Modified Eagle's Medium):

Component	g L <sup>-1</sup>
<b>Inorganic salts</b>	
Calcium Chloride	0.2
Ferric Nitrate • 9H <sub>2</sub> O	0.0001
Magnesium Sulfate (anhydrous)	0.09767
Potassium Chloride	0.4
Sodium Bicarbonate	3.7
Sodium Chloride	6.4
Sodium Phosphate Monobasic (anhydrous)	0.109
<b>Amino acids</b>	
L-Arginine • HCl	0.084
L-Cystine • 2HCl	0.0626
Glycine	0.03
L-Histidine • HCl • H <sub>2</sub> O	0.042
L-Isoleucine	0.105
L-Leucine	0.105
L-Lysine • HCl	0.146
L-Methionine	0.03
L-Phenylalanine	0.066
L-Serine	0.042
L-Threonine	0.095
L-Tryptophan	0.016
L-Tyrosine • 2Na • 2H <sub>2</sub> O	0.12037
L-Valine	0.094
<b>Vitamins</b>	
Choline Chloride	0.004
Folic Acid	0.004
<i>myo</i> -Inositol	0.0072
Niacinamide	0.004
D-Pantothenic Acid (hemicalcium)	0.004
Pyridoxine • HCl	0.004
Riboflavin	0.0004
Thiamine • HCl	0.004
<b>Others</b>	
D-Glucose	4.5
Phenol Red • Na	0.0159
Pyruvic Acid • Na	0.11
L-Glutamine	0.584

## Appendix II

### Amino acids:

Trivial name	3-letter	1-letter	Average mass (Da)
Alanine	Ala	A	89.094
Arginine	Arg	R	174.203
Asparagine	Asn	N	132.119
Aspartic acid	Asp	D	133.104
Cysteine	Cys	C	121.154
Glutamic acid	Glu	E	147.131
Glutamine	Gln	Q	146.146
Glycine	Gly	G	75.067
Histidine	His	H	155.156
Isoleucine	Ile	I	131.175
Leucine	Leu	L	131.175
Lysine	Lys	K	146.189
Methionine	Met	M	149.208
Phenylalanine	Phe	F	165.192
Proline	Pro	P	115.132
Serine	Ser	S	105.093
Threonine	Thr	T	119.12
Tryptophan	Trp	W	204.228
Tyrosine	Tyr	Y	181.191
Valine	Val	V	117.148

### Nucleotide bases:

Name	Notation
Adenine	A
Cytosine	C
Guanine	G
Thymine	T