



Animal Tissue Culturing Winter Training

NTHRYS provides Animal Tissue Culturing Winter Training for interested candidates at its Hyderabad facility, Telangana. Please refer below for more details including Fee structures, Eligibility, Protocols and Modules etc.,. Please do call / message / whatsapp for more details on 9014935156 [India - +91]

Eligibility: BSc / BTech / MSc / MTech / MPhil / PhD in any Life Sciences studying or completed students

Protocols / Techniques Covered

Animal cells are more difficult to culture than microorganisms because they require many more nutrients and typically grow only when attached to specially coated surfaces. Despite these difficulties, various types of animal cells, including both undifferentiated and differentiated ones, can be cultured successfully.

NTHRYS Biotech Labs has introduced Animal Tissue Culture Training in the year 2009 to interested students / scholars. Please refer below for complete details:

Animal Tissue Culture Training Module

Module	Protocols List
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Module - I	<p>Protocols covered under this Module - I:</p> <ol style="list-style-type: none"> 1. Preparation of Animal Tissue Culture Media <ol style="list-style-type: none"> 1. Stock Solutions 2. Eagle's Base (10X) 3. Amino Acid Mixture (100X) 4. Vitamin Mixture (100X) 5. Ferric Nitrate (1000X) 6. DMEM (1X) - (Working Medium) 7. PBS (Phosphate Buffered Saline) 2. Cultivation of Human Bone Marrow Stem Cells 3. Cultivation of Human Umbilical Cord Blood Stem Cells 4. Cultivation of Human Cardiomyocytes 5. Cultivation of HeLa Cells 6. Passaging 7. Preparation and Use of Conditional Media [Using Human Cardiomyocytes] 8. Staining <ol style="list-style-type: none"> 1. Acid Phosphatase Staining 2. Staining using Periodic Schiff's Reagent
Module - II	<p>Protocols covered under this Module - II:</p> <ol style="list-style-type: none"> 1. Separation of Fetal Human Serum [FHS] from Cord Blood. 2. Collection of Cardiomyocytes source and isolation of Cardiomyocytes. 3. Preparation of conditional media from cardiomyocytes cultivation. 4. Collection & Cultivation of Human Bone Marrow stem cells. 5. Utilization of Cardiomyocyte Conditional media to transform Bone Marrow stem cells to cardiomyocytes. 6. Utilization of Cardiomyocyte conditional media to transform Cord blood stem cells to cardiomyocytes 7. Qualitative analysis for confirmation of Cord Blood Stem cells 8. Qualitative analysis for confirmation of Human Bone Marrow stem cells 9. Qualitative analysis for confirmation of Cardiomyocytes 10. Qualitative analysis for confirmation of Cardiomyocytes transformed from Cord blood stem cells 11. Qualitative analysis for confirmation of Cardiomyocytes transformed from Human Bone Marrow stem cells
Module - III	<p>Protocols covered under this Module - III:</p> <ol style="list-style-type: none"> 1. Collection, Cultivation & preservation of Cord blood stem cells. 2. Collection & Preservation of Human Cord Blood. 3. Isolation, Cultivation & Confirmation of Human Liver Cell Lines 4. Isolation, Cultivation & confirmation of Human Pancreatic Cell Lines 5. Isolation, Cultivation & confirmation of Human Alveolar Cell Lines 6. Isolation, Cultivation & Confirmation of Green monkey kidney cell lines 7. Isolation, Cultivation & Confirmation of Human Neural Cells 8. Isolation, Cultivation & Confirmation of Organ specific stem cells <ol style="list-style-type: none"> 1. Neural Stem Cells 2. Bone Marrow Stem Cells

Durations & Fee Structures

5 Days Duration - Module - 1 [Protocols 1, 2, 6 & 8]

10 Days Duration - Module - 1 [Protocols 1, 2,3,4, 6 & 8]

20 Days Duration - Module - 1 [All Protocols] & Module - 2 [Protocols 1,2,3 & 4]

1 Month Duration - Module - 1 [All Protocols] Module - 2 [All Protocols]

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45 Days Duration - Module - 1 [All Protocols] Module - 2 [All Protocols], Module - 3 [All Protocols]

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Fee details in Rs per student					
Fee	5 Days	10 Days	20 days	1 Month	45 Days
Individual	12500	13200	16700	20600	24400
Group 2 - 4	11900	11900	15900	19700	23300
Group 5 - 7	11800	11800	15700	19500	23100
Group 8 - 10	11700	11700	15500	19300	22900