

NTHRYS Protocols

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Please choose your desired protocol under respective field or call / sms / whatsapp us on +91-9014935156 for assistance.



!!! If there exists a protocol, NTHRYS will move mountains to get it for you !!!

Protocols List

- 1. DNA Extraction from Human Blood
- 2. Radio Immunoassay (RIA)
- 3. Enzyme Linked Immunosorbent Assay ELISA
- 4. Solid-phase radioimmunoassay for cell-surface antigens
- 5. Cell viability assay MTT
- 6. DNA Extraction from Bacteria
- 7. DNA Extraction from Plant Leaf
- 8. Isolation of -normal peritoneal macrophages
- 9. DNA Extraction from Chicken Liver
- 10. Primer designing using Bioinformatics Tools
- 11. Preparation of lymphocytes from blood
- 12. Optimization of PCR parameters Technical Theory - No practical
- 13. Preparation of lymphocytes from lymphoid organs
- 14. Direct somatic Embryogenesis in coffea canephora
- 15. Isolation of human T-lymphocyte lines
- 16. Agarose Electrophoresis
- 17. Extraction and purification of amplified DNA from Agarose gels using spin columns
- 18. Cultivation of pUC 18 vector bearing bacterial strain
- 19. Plasmid -pUC 18- isolation
- 20. Restriction digestion of pUC18 vector using EcoRI
- 21. 5- End DNA modification of restriction digested plasmid sample -Addition of Poly Ts
- 22. TA Cloning
- 23. DNA ligation
- 24. Competent cell preparation DH5 alpha cells
- 25. Bacterial Transformation -using competent cells and cloned vector
- 26. Blue white screening
- 27. Extraction of IgG Immunoglobulin G from plasma / serum
- 28. Purification of extracted Immunoglobulins Using Dialysis process
- 29. Pepsin digestion and purification of digested IgG
- 30. Preparation of Antigens for Immunizations -including Adjuvant selection strategies-
- 31. SDS PAGE
- 32. Quantitative ELISA
- 33. Enumeration of Microorganisms in Foods
- 34. RID
- 35. DID -Ouchterlony-
- 36. Immunization of Mice or Rabbit
- 37. Enumeration of Aerobic colony count in Foods
- 38. Most Probable Method -MPN-
- 39. Enumeration of Yeast and Moulds in Foods
- 40. A new Temporary immersion Bioreactor system for micropropagation
- 41. Protocol to Achieve photoautotrophic coconot plants cultured In vitro with improved performance Ex vitro
- 42. Isolation of pathogenic E.coli
- 43. Isolation of Enterococcus from food
- 44. Isolation from salmonella from foods
- 45. Enumeration of Staphylococcus aureus in foods

- 46. Enumeration of Listeria monocytogens from food and environmental samples
- 47. Enumeration of Bacillus cereus in foods
- 48. Detection of Clostridium botulinum in honey and syrups
- 49. Enumeration of Clostridium perfringens in foods
- 50. Microbiology of Water
- 51. Standard Qualitative analysis of water
- 52. Quantitative analysis of water
- 53. Howard Mould Count
- 54. Examination of Canned Food
- 55. Aseptic culture techniques for establishment and maintenance of cultures
- 56. Preparation of stock solutions of MS basal medium and plant growth regulator stocks
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- 58. Micropropagation of Rice by indirect organogenesis from embryo
- 59. Preparation of competent cells of E. coli for harvesting plant transformation vector
- 60. Transformation of competent cells of E. coli with plant transformation vectors
- 61. Plasmid preparation from E. coli
- 62. Micropropagation of Agave species
- 63. Electroelution of insert DNA from agarose gel slice
- 64. Mobilization of recombinant Ti plasmid from common laboratory host (E. coli) to Agrobacterium tumefaciens strain
- 65. Agrobacterium tumefaciens-mediated plant transformation
- 66. Direct DNA delivery to plant by Particle Bombardment
- 67. Isolation of plant genomic DNA by modified CTAB method
- 68. Protein Analysis
- 69. Preparation of Animal Tissue Culture Media
- 70. Somatic Embryogenesis in picea suspension cultures
- 71. Micropropagation of Endangered plant species
- 72. Cultivation of Human Cardiomyocytes
- 73. Cultivation of HeLa Cells
- 74. Preparation and Use of Conditional Media Using Human Cardiomyocytes
- 75. Clonal propagation of softwoods
- 76. Separation of Fetal Human Serum -FHS- from Cord Blood
- 77. Collection of Cardiomyocytes source and isolation of Cardiomyocytes
- 78. Preparation of conditional media from cardiomyocytes cultivation
- 79. Collection and Cultivation of Human Bone Marrow stem cells
- 80. Utilization of Cardiomyocyte Conditional media to transform Bone Marrow stem cells to cardiomyocytes
- 81. Chloroplast Transformation
- 82. Confirmation of Cord Blood Stem cells
- 83. Confirmation of Human Bone Marrow stem cells
- 84. Confirmation of Cardiomyocytes
- 85. Confirmation of Cardiomyotes transformed from Cord blood stem cells
- 86. Transformation of maize via Agrobacterium tumefaciens using a Binary co integrate vector system
- 87. Collection Cultivation and preservation of Cord blood stem cells
- 88. Collection and Preservation of Human Cord Blood

- 89. Isolation Cultivation and Confirmation of Human Liver Cell Lines
- 90. Isolation Cultivation and confirmation of Human Pancreatic Cell Lines
- 91. Isolation Cultivation and confirmation of Human Alveolar Cell Lines
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- 94. Isolation Cultivation and Confirmation of Organ specific stem cells
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- 96. Bone Marrow Stem Cells Cultivation
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- 98. Pentose Assay
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- 100. Disacchharide Assay
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- 103. Polysacchharide Assay
- 104. Catalase Test
- 105. Mannitol Salt Agar Test
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- 107. Blood Agar plates assay
- 108. Modified Bligh and Dyers Method for Phospholipid Extraction
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- 110. Bacitracin sensistivity test
- 111. Folch Extraction
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- 125. Methyl Red Voges Proskauer Test -MRVP Test-
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- 127. Kliger-s Iron Test
- 128. Protease Assay
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- 171. Cell Maintenance
- 172. Production of Biolarvicide -Biopesticide- from Bacillus thuringiensis israelensis -BtIstrain
- 173. Cell Counting
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- 188. Preparation of short RNA by in vitro transcription
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- 198. Isolation of total DNA from isolated bacteria
- 199. Native RNA purification by Gel filtration chromatography
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- 206. Isolation and Identification of Streptococcus (alpha beta and gama) from clinical samples (BLOOD URINE STOOL PUS SPUTUM WOUND CSF EAR SWAB EYE SWAB THROAT SWAB)
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- 208. Trans-acting antigenomic HDV ribozyme for production of in vitro transcripts with homogenous 3-ends
- 209. Rapid preparation of RNA samples using DNA-affinity chromatography
- 210. Guard Cell Protoplasts: Isolation, Culture and Regeneration of Plants
- 211. Isolation and Identification of Shigella from clinical samples (BLOOD URINE STOOL PUS SPUTUM WOUND CSF EAR SWAB EYE SWAB THROAT SWAB)
- 212. Preparation of N- GST fusion protein for affinity immobilization of RNA
- 213. Affinity purification of RNA using an ARiBO tag
- 214. Plasmid template design and in vitro transcription of short RNAs within a "structure cassette" for structure probing experiments
- 215. In Vitro transcription of modified RNAs
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- 218. Se-Derivatized RNAs for x-ray crystallography
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- 223. Optimising yeast as a host for recombinant protein production
- 224. Preparation of pichia pastoris expression plasmids
- 225. Isolation and Identification of Mycobacterium tuberculosis from clinical samples (BLOOD URINE STOOL PUS SPUTUM WOUND CSF EAR SWAB EYE SWAB THROAT SWAB)
- 226. Preparation of Saccharomyces cerevisiae expression plasmids
- 227. Codon optimisation for heterologous gene expression in yeast
- 228. Yeast transformation to generate high yielding clones
- 229. Isolation and Identification of Gram negative Bacilli (E.coli klebsiella proteus) from clinical samples (BLOOD URINE STOOL PUS SPUTUM WOUND CSF EAR SWAB EYE SWAB THROAT SWAB)
- 230. Screening for high yielding pichia pastoris clones: The production of G protein coupled receptors as a case study
- 231. Screening for high yielding saccharomyces cerevisiae clones: using a green fluorescent protein fusion strategy in the production of membrane proteins
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- 234. Setting up a bioreactor for recombinant protein production in yeast
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- 237. Optimising pichia pastoris induction
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- 243. Urine Quantitative Culture
- 244. Acid Fast Staining for identification of MTB
- 245. Montoux Test
- 246. Colony Counting
- 247. Large scale production of membrane proteins in saccharomyces cerevisiae : using a green

fluorescent protein fusion strategy in the production of membrane proteins

- 248. Motility Test
- 249. Isolation,Culture and plant regeneration from leaf protoplasts of passiflora
- 250. Large scale production of secreted proteins in pichia pastoris
- 251. Triple Sugar Iron Test
- 252. Disruption of yeast cells to isolate recombinant proteins
- 253. Identification of Fungi from skin Hair and Nail by KOH MOUNT and Lacto phenol Cotton Blue Staining.
- 254. Analysing caspase activation and caspase activity in apoptotic cells
- 255. WIDAL
- 256. VDRLPOLYMERASE CHAIN REACTION FOR DETECTION OF HBV HCV MTB)
- 257. Flow cytometry based apoptosis detection
- 258. Live to dead cell imaging
- 259. Detection of apoptosis in tissue sections
- 260. Detection of apoptosis in cell free systems
- 261. Methods to analyze cellular necroptosis
- 262. Restriction digestion of insert plasmid and binary vector
- 263. Detection of cell death by autophagy
- 264. Agrobacterium mediated Transformation of Petunia Leaf Discs
- 265. Coating Antibodies -IgG- to Carbonanofibers
- 266. Capsaicin Accumulation in Capsicum spp. Suspension cultures
- 267. Coating of antibody coated carbon nanofibers to gold surface
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- 269. Preparation of liposomal nanomedicines
- 270. Methods to analyze s- nitrosylation of proteins involved in apoptosis
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- 273. Application of in vivo EPR for tissue po2 and redox measurements
- 274. Preparation of media and stock solution
- 275. Preparation of Explants
- 276. Callus initiation and Maintenance -In Potato-
- 277. Assays to measure p53 dependent and independent apoptosis
- 278. Shoot and Root Induction in potato
- 279. Somatic Embryogenesis In Barley Suspension cultures
- 280. Anther and Microspore Culturing of Barley
- 281. Measurement of changes in cdk2 and cyclin o- associated
- 282. Immature Inflorescence Culture of Cereals
- 283. Fluorometric methods for detection of mitochondrial membrane permeabilization in apoptosis
- 284. Meristem-Tip Culture for Propagation and Virus Elimination In Potato or selected plant-
- 285. Clonal Propagation of Orchids
- 286. In Vitro Propagation of Succulent Plants
- 287. A brief introduction to Plant Bioinformatics -Nomenclature and Plant Pathological Bioinfo Database designing and management standards
- 288. Micropropagation of Flower Bulbs Lily
- 289. DNA extraction from Fungal Plant Pathogens

- 290. Spore-Derived Axenic Cultures of Ferns as a Method of Propagation
- 291. DNA Extraction from Viral Plant Pathogens
- 292. Identification of Fungal Plant Pathogens using PCR
- 293. Identification of Viral Plant Pathogens using PCR
- 294. Cryopreservation of embryogenic cell suspensions by Encapsulation vitrification
- 295. DNA extraction from Insect Plant Pathogens
- 296. Human tissue collection and preparation
- 297. Identification of Insect Plant Pathogens using PCR
- 298. Regulation of apoptosis by the unfolded protein response
- 299. Total Protein Extraction from plant materials
- 300. Detection of uncoupling protein-2 (ucp2) as a mitochondrial modulator of apoptosis
- 301. Semi Ultra Purification of extracted plant proteins
- 302. Multiple approach to analyzing the role of microRNAs in apoptosis
- 303. Immunological Identification of plant pathogens using ELISA
- 304. Assessment of apoptotic cell phagocytosis by macrophages
- 305. Microbiological Quality Assurance Measures in Plant Tissue Culture Practices
- 306. Detection of apoptosis in mammalian development
- 307. Stock Plant treatment for detection and Identification of viriods viruses bacteria and fungi in plant tissue culture plant materials
- 308. Detection of apoptosis in the central nervous system
- 309. Genetic mapping of anti apoptosis pathways in myeloid progenitor cells
- 310. Various Surface sterilization to control microbial hazards plant tissue culture plant materials
- 311. Analysis of apoptosis in isolated primary cardiac myocytes
- 312. Molecular identification of Viral contamination of plant material selected for plant tissue culture
- 313. Cell death in myoblasts and muscles
- 314. Reliable method for detection of programmed cell death in yeast
- 315. Detection of cell death in drosophila
- 316. Identification of Plant Disease Resistance Genes
- 317. Detecting apoptotic cells and monitoring their clearance in the nematode caenorbabditis elegans
- 318. In silico PCR tools for a fast primer, probe, and advanced searching
- 319. Detection of herpes simplex virus dependent apoptosis
- 320. Introduction -on using the fastPCR software and the related java web tools for PCR and oligonucleotide assembly and analysis
- 321. Long fragment polymerase chain reaction
- 322. Strategies to improve efficiency and specificity of degenerate primers in PCR
- 323. Inverse PCR for point mutation
- 324. Indirect somatic Embryogenesis in cassava for genetic modification purposes
- 325. Synthesis of fusion genes for cloning by megaprimer based PCR
- 326. A -novel platform for high throughput gene synthesis to maximize recombinant expression in Escherichia coli
- 327. Colony PCR
- 328. Crename A molecular microbiology method enabling multiparametric assessment of potable / drinking water

- 329. Multiplex detection of food borne pathogens
- 330. Fast real time PCR for the detection of crustacean allergens in foods
- 331. Fast real time PCR method for detection of soy in foods
- 332. RAPD / SCAR Approaches for identification of adulterant breeds milk in dairy products
- 333. Genetic diversity analysis of medicinally important horticultural crop Aegle marmelos by ISSR markers
- 334. PCR in the analysis of clinical samples: prenatal and postnatal diagnosis of inborn errors of metabolism
- 335. Harnessing the power of PCR molecular fingerprinting methods for understanding structure and function in microbial communities
- 336. PCR (Polymerase Chain Reaction)
- 337. Production of Cybrids in Brassicaceae species
- 338. Arbitrarily primed PCR for comparison of meta genomes and extracting useful loci from them
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- 363. CRY protein extraction protocol (Bacillus thuringiensis israelensis)
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- 368. Analysis of Microbial growth at 65 degree centigrade

- 369. Width of rod 1um or greater
- 370. Microbial decomposition of casein
- 371. Lactose fermentation
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- 373. Erythrocyte Sedimentation Rate Test -To detect the presence of inflammation caused by one or more conditions-
- 374. Serum Autoantibody Assay -To check the presence of autoantibodies in blood-
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- 431. Population Pharmacogenomics
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- 434. Various SNP Research Works reported world wide
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