

## APPROVED LIST OF IMPORTED CHEMICALS (2017-18)

| S.No. | Tender S.No. | Name of items with Specification                                      | Pack Size    |
|-------|--------------|-----------------------------------------------------------------------|--------------|
| 1     | 1            | 4- methylumbelliferyl- Liduronate 2 sulphate in acetate buffer        | 5mg          |
| 2     | 3            | 10%Pentafluorobenzyl bromide (PFBBR)                                  | 5gm          |
| 3     | 4            | 100 bp DNA Ladder                                                     | 100gel Lanes |
| 4     | 5            | 10mM dNTP Mix:-                                                       | 1ml          |
| 5     | 6            | 10xPCR buffer without Mg C12                                          | 5ml          |
| 6     | 7            | 10xTBE buffer                                                         | 1ltr         |
| 7     | 8            | 10x BUFFER 25Mm (PCR REAGENT) WITHOUT MgCl2 1.5 mL                    | 5ml          |
| 8     | 10           | 1-Heptanesulfonic acid Sodium                                         | 250ml        |
| 9     | 11           | 1KB Ladder                                                            | 200gel Lanes |
| 10    | 12           | 2-ketoisocaproic acid:- TRC                                           | 1gm          |
| 11    | 13           | 2-PROPANOL                                                            | 5ltr         |
| 12    | 14           | 2xMaster Mix for PCR                                                  | 100rxn       |
| 13    | 15           | 3-(4,5-Dimethylthiazol2-yl),2,5-diphenyltetrazolium bromide, AR (MTT) | 1gm          |
| 14    | 16           | 3-(4,5-Dimethylthiazol2-yl),2,5-diphenyltetrazolium bromide, AR (MTT) | 1gm          |
| 15    | 17           | 3Hydroxyisovaleric acid                                               | 10gm         |
| 16    | 18           | 3-Mercaptopropionic acid,                                             | 500gm        |
| 17    | 19           | 3-Methylglutaconic Acid:- Medical isotopes Inc.                       | 10mg         |
| 18    | 20           | 4 6 diamidino - 2 phenyl indole                                       | 100mg        |
| 19    | 22           | 4-Aminobenzoic acid A                                                 | 250gm        |
| 20    | 23           | 4-Methylumbelliferone                                                 | 250gm        |
| 21    | 24           | 4-Methylumbelliferyl -L-Idopyranosiduronic Acid, Sodium Salt,         | 5mg          |
| 22    | 25           | 4-Methylumbelliferyl $\alpha$ -D-galactopyranoside                    | 25mg         |
| 23    | 26           | 4-Methylumbelliferyl $\beta$ -D-glucopyranoside                       | 100mg        |
| 24    | 27           | 4 $\alpha$ -phorbol 12-myristate 13-acetate (4 $\alpha$ -PMA)         | 250gm        |
| 25    | 28           | 50 bp DNA Ladder                                                      | 200gel Lanse |
| 26    | 29           | 5-Flurouracil                                                         | 5gm          |
| 27    | 30           | 6N HYDROCHLORIC ACID                                                  | 1ltr.        |
| 28    | 35           | Absolute Alchohol MS grade                                            | 500ml        |
| 29    | 36           | Absolute Alcohol (LC/MS grade)                                        | 500ml        |
| 30    | 37           | Acarbose                                                              | 1gm          |

|    |    |                                                                                                                                    |          |
|----|----|------------------------------------------------------------------------------------------------------------------------------------|----------|
| 31 | 38 | Acetic acid                                                                                                                        | 1ltr.    |
| 32 | 39 | Acetic acid glacial extra pure for molecular biology                                                                               | 500ml    |
| 33 | 40 | Acetonitrile (LCMS/Ms grade)                                                                                                       | 4ltr.    |
| 34 | 41 | Acid Fuschin                                                                                                                       | 25gm     |
| 35 | 42 | Acrylamide 90% pure DNase,RNase protease free SIGMA A9099                                                                          | 500gm    |
| 36 | 43 | Adrenalin                                                                                                                          | 5gm      |
| 37 | 44 | AEBSF-Hcl-Aminoethylbenzene sulfonyl fluoride hydrochloride                                                                        | 100mg    |
| 38 | 45 | AflIII Restriction enzyme:-                                                                                                        | 1000unit |
| 39 | 46 | Agarose Mol. Biology grade for Electrophoresis                                                                                     | 500gm    |
| 40 | 47 | Albumin from bovine serum                                                                                                          | 25gm     |
| 41 | 48 | Alcian blue                                                                                                                        | 25gm     |
| 42 | 50 | Alpha Naphthyl Acetate anhydrous                                                                                                   | 50gm     |
| 43 | 51 | Alpha Naphthyl Acid Phosphate(Monosodium)                                                                                          | 50gm     |
| 44 | 52 | Alu                                                                                                                                | 1000unit |
| 45 | 53 | Alu 1                                                                                                                              | 3000unit |
| 46 | 55 | Amido black Hb electrophoresis slide staining                                                                                      | 25gm     |
| 47 | 57 | Ammonium per sulfate SIGMA A3678                                                                                                   | 100gm    |
| 48 | 58 | Ammonium Sulfamate,                                                                                                                | 250gm    |
| 49 | 60 | AmpliTaq gold DNA polymerase, 5 units/ul, Supplied with one vial of each 25 mm MgCl <sub>2</sub> , 10x PCR buffer and 10 m M dNTPs | 5000unit |
| 50 | 63 | Aprotinin                                                                                                                          | 25mg     |
| 51 | 64 | Ase 1                                                                                                                              | 2000unit |
| 52 | 66 | Avidin                                                                                                                             | 10mg     |
| 53 | 67 | Azure B                                                                                                                            | 10gm     |
| 54 | 68 | Bam H1 and Hind III restriction enzymes (1 vial each)                                                                              | 4000unit |
| 55 | 69 | BanII (Restriction Enzyme)                                                                                                         | 1500unit |
| 56 | 70 | Barbituric Acid                                                                                                                    | 500gm    |
| 57 | 71 | Barium hydroxide- Ba(OH) <sub>2</sub>                                                                                              | 500gm    |
| 58 | 72 | Basic Fuchsin                                                                                                                      | 25gm     |
| 59 | 74 | Bichinconinic Acid solution BCA                                                                                                    | 1ltr.    |
| 60 | 75 | Borate Buffer (0.4N) (compatible with Agilent HPLC1100) pH=10.2                                                                    | 1ltr.    |
| 61 | 76 | Boric Acid for Mol. Biology                                                                                                        | 1kg.     |
| 62 | 77 | Bovine serum Albumin (BSA), fraction V                                                                                             | 100gm    |
| 63 | 78 | Brilliant blue R                                                                                                                   | 100gm    |

|     |     |                                                                      |          |
|-----|-----|----------------------------------------------------------------------|----------|
| 64  | 79  | Brilliant Cresyl blue B                                              | 10gm     |
| 65  | 80  | Bromophenol blue, sodium salt for molecular biology                  | 50gm     |
| 66  | 83  | Bsrl                                                                 | 1000unit |
| 67  | 84  | Bst U1                                                               | 500unit  |
| 68  | 88  | Carbamazepine                                                        | 25gm     |
| 69  | 89  | Carmine                                                              | 25gm     |
| 70  | 90  | Carrageenan                                                          | 100gm    |
| 71  | 92  | Ceramide $\beta$ D galactoside                                       | 25mg     |
| 72  | 93  | Cesium chloride                                                      | 100gm    |
| 73  | 95  | Chloroform                                                           | 500ml    |
| 74  | 96  | Cholecalciferol(D3)                                                  | 1gm      |
| 75  | 97  | Colchicine                                                           | 5gm      |
| 76  | 99  | Colcemid                                                             | 5mg      |
| 77  | 102 | Complete ready to use medium for peripheral blood lymphocyte culture | 100ml    |
| 78  | 103 | Concanavalin A                                                       | 250mg    |
| 79  | 104 | Conduritol B epoxide :-C5424-Sigma,Toronto research chemicals        | 5mg      |
| 80  | 105 | Congo Red                                                            | 25gm     |
| 81  | 106 | Coomassie Brilliant Blue                                             | 25gm     |
| 82  | 108 | Crystal violet                                                       | 25gm     |
| 83  | 109 | Cyanocobalamin                                                       | 1gm      |
| 84  | 110 | Cyclohexamide                                                        | 1gm      |
| 85  | 111 | Cytokine IL2 (human recombinant protein)                             | 50ug     |
| 86  | 112 | Cytokine IL6 (human recombinant protein)                             | 100ug    |
| 87  | 113 | Cytokine IL7 (human recombinant protein)                             | 100ug    |
| 88  | 114 | D9-PIPECOLIC ACID                                                    | 100mg    |
| 89  | 116 | Dexamethasone                                                        | 1gm      |
| 90  | 117 | Diastase                                                             | 100gm    |
| 91  | 118 | Diclofenac Sodium salt                                               | 100gm    |
| 92  | 119 | Diethyl ether-(CH <sub>3</sub> CH <sub>2</sub> ) <sub>2</sub> O      | 500ml    |
| 93  | 122 | Dimethyle sulfoxide                                                  | 500gm    |
| 94  | 123 | Disodium hydrogen phosphate                                          | 500gm    |
| 95  | 124 | Dispase II                                                           | 100ml    |
| 96  | 126 | DITHIOTHREITOL-10ml                                                  | 10ml     |
| 97  | 127 | DMEM media                                                           | 500ml    |
| 98  | 128 | DNA ladder 100bp                                                     | 100GL    |
| 99  | 129 | dNTP mix (10 m M)                                                    | 1ml      |
| 100 | 130 | DOCOSANOIC ACID                                                      | 250gm    |
| 101 | 131 | Doxorubicin hydrochloride                                            | 10mg     |
| 102 | 132 | DPBS Cell Culture tested                                             | 500ml    |

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|-----|-----|-----------------------------------------------------------|-----------|
| 103 | 133 | Dra I                                                     | 1500unit  |
| 104 | 135 | D-Saccharic acid 1,4-lactone monohydrate                  | 250mg     |
| 105 | 138 | ECL prime blocking reagent                                | each      |
| 106 | 139 | ECL prime dual wane western blotting marker               | 25LOADS   |
| 107 | 140 | ECOR1                                                     | 10000unit |
| 108 | 141 | EDTA Disodium salt for Mol.biology                        | 500gm     |
| 109 | 143 | Eosin                                                     | 100gm     |
| 110 | 144 | Eosin (Yellow)                                            | 50gm      |
| 111 | 145 | Ethanol, 100% non-denatured for molecular biology         | 500ml     |
| 112 | 146 | Ether                                                     | 500ml     |
| 113 | 147 | Ethyl Acetate (AR grade)                                  | 500ml     |
| 114 | 148 | Ethylene glycol monomethyl ether                          | 500ml     |
| 115 | 149 | Ethylene Diaminetetra Acetic Acid Disodium salt Dehydrate | 250gm     |
| 116 | 150 | Ethylene Glycol Tetra Acetic Acid (EGTA)                  | 50gm      |
| 117 | 151 | Fast Blue BB F (for NAP stain)                            | 25gm      |
| 118 | 152 | Fast Garnet GBC                                           | 100gm     |
| 119 | 153 | FBS US Origen sterile                                     | 500ml     |
| 120 | 154 | Ficol-hypaque for lymphocyte isolation (hystopaque)       | 6x100ml   |
| 121 | 156 | FITC-BSA Conjugate                                        | 50gm      |
| 122 | 158 | Flt3 ligand (human recombinant protein)                   | 100ug     |
| 123 | 159 | Fluo -3AM                                                 | 1mg       |
| 124 | 160 | Fluorescamine                                             | 100mg     |
| 125 | 163 | Formamide N N dimethyl                                    | 500ml     |
| 126 | 164 | Formic Acid                                               | 1ltr.     |
| 127 | 165 | Freund 's Complete Adjuvant                               | 5x10ml    |
| 128 | 166 | Full range ranbow molecular weight marker                 | 500ul     |
| 129 | 167 | Fura2-AM                                                  | 1mg       |
| 130 | 168 | G- CSF (human recombinant protein)                        | 50ug      |
| 131 | 169 | Gel Loading Dye                                           | 25ml      |
| 132 | 171 | Giemsa Stain                                              | 50gm      |
| 133 | 172 | Giemsa Stain fluid                                        | 100ml     |
| 134 | 173 | Giemsa stain Fluka                                        | 50gm      |
| 135 | 175 | Glycerol                                                  | 500ml     |
| 136 | 176 | Glycogen from rabbit liver                                | 5gm       |
| 137 | 177 | GM -CSF (human recombinant protein)                       | 100ug     |
| 138 | 179 | Guanidine hydrochloride for molecular biology             | 500gm     |
| 139 | 181 | Hae III (Restriction Enzyme)                              | 3000unit  |

|     |     |                                                                              |           |
|-----|-----|------------------------------------------------------------------------------|-----------|
| 140 | 182 | Haematoxyline Crystalline                                                    | 25gm      |
| 141 | 185 | HEPES                                                                        | 500ml     |
| 142 | 186 | HEXACOSANOIC ACID                                                            | 250mg     |
| 143 | 187 | Hinfl (Restriction Enzyme)                                                   | 5000unit  |
| 144 | 188 | Histamine                                                                    | 5gm       |
| 145 | 189 | Hoechst 33342 solution                                                       | 10ml      |
| 146 | 192 | HYDRAZINE DIHYDRO CHLORIDE                                                   | 100gm     |
| 147 | 193 | Hydrolysed starch                                                            | 500gm     |
| 148 | 194 | IL3 human recombinant protein                                                | 100ug     |
| 149 | 200 | Isopropanol                                                                  | 1ltr.     |
| 150 | 201 | L- Kynurenine salt                                                           | 50mg      |
| 151 | 204 | L-Ascorbic acid                                                              | 100gm     |
| 152 | 205 | LCMSMS grade Water                                                           | 4ltr.     |
| 153 | 206 | Lead(II) acetate trihydrate (1) 215902-                                      | 250gm     |
| 154 | 208 | Leupeptin                                                                    | 25mg      |
| 155 | 209 | Ligase enzyme (1vial)                                                        | 20000unit |
| 156 | 210 | Light Green MS                                                               | 50mg      |
| 157 | 211 | Lipofectamine                                                                | 1ml       |
| 158 | 212 | Lipopolysaccharide (LPS)                                                     | 25mg      |
| 159 | 214 | Lithium Carbonate                                                            | 1kg       |
| 160 | 216 | L-Tryptophan salt                                                            | 25gm      |
| 161 | 218 | Mbo II (Restriction Enzyme)                                                  | 1000unit  |
| 162 | 219 | MbolI                                                                        | 300unit   |
| 163 | 220 | Mercuric Nitrate (MW 342.62)                                                 | 100gm     |
| 164 | 221 | Solution for stain/Methanol (LCMSMS Grade)                                   | 4ltr.     |
| 165 | 222 | Methyl Melonic Acid deuterated standard for MS analysis                      | 5gm       |
| 166 | 223 | METHYL ORANGE INDICATOR                                                      | 100gm     |
| 167 | 224 | Methyl Violet                                                                | 25mg      |
| 168 | 225 | Methylene Blue                                                               | 50mg      |
| 169 | 226 | MIP -1 $\alpha$ ( human recombinant protein ) Dye 670                        | 100ug     |
| 170 | 227 | Mitochondria DNA Isolation Kit from Tissue/ Muscle Biopsy and Cultured Cells | 50Prep    |
| 171 | 228 | MOLECULAR GRADE WATER (RNA & Nuclease Free)                                  | 3.8ltr.   |
| 172 | 229 | Monoclonal Anti apoE antibody                                                | 100ug     |
| 173 | 230 | Monoclonal anti CD56-FITC antibody (produced in mouse)                       | 100test   |
| 174 | 231 | Monoclonal anti HIF-1 $\alpha$ antibody(Produced in mouse)                   | 100ug     |

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|-----|-----|-----------------------------------------------------------------------------------------|-----------|
| 175 | 232 | Monoclonal anti matrix metalloproteinase-9antibody (produced in mouse)                  | 200ug/ml  |
| 176 | 234 | Monoclonal anti B actin Antibody -HRPO (produced in mouse)                              | 500ug     |
| 177 | 237 | Monoclonal Goat antimouse IgG HRPO                                                      | 2ml       |
| 178 | 238 | Monoclonal Ki67-FITC Conjugate                                                          | 100test   |
| 179 | 239 | Msp 1                                                                                   | 3000unit  |
| 180 | 240 | MSTFA (N-methyl-N-trimethylsilyl trifluoroacetamide -25ML                               | 5ml       |
| 181 | 241 | Mwo1                                                                                    | 500unit   |
| 182 | 242 | n HEXANE                                                                                | 1ltr.     |
| 183 | 243 | N-(+)-Biotinyl-4-aminobenzoic acid                                                      | 100mg     |
| 184 | 244 | N-(-1-naphthyl)ethylenediamine dihydrochloride, N9125-Sigma, Toronto research chemicals | 25gm      |
| 185 | 245 | N,N Dimethyl Formamide                                                                  | 250ml     |
| 186 | 246 | N,N` methylene Bis- acrylamide                                                          | 100gm     |
| 187 | 247 | N/10 HCL                                                                                | 1ltr.     |
| 188 | 248 | N-acetylaspartic acid                                                                   | 5gm       |
| 189 | 249 | Naphthol AS B1 Phosphate                                                                | 1gm       |
| 190 | 251 | Ncl 1                                                                                   | 2000unit  |
| 191 | 252 | Nde                                                                                     | 500unit   |
| 192 | 253 | Ned I                                                                                   | 4000unit  |
| 193 | 254 | Neutral red                                                                             | 25gm      |
| 194 | 255 | NHS- Palmitic Acid                                                                      | 500gm     |
| 195 | 257 | Non fat dried milk SIGMA M7409                                                          | 250gm     |
| 196 | 258 | Nonidet IP 40                                                                           | 1ltr.     |
| 197 | 259 | Nor-Adrenalin                                                                           | 1gm       |
| 198 | 260 | Nuclear Fast Red                                                                        | 25gm      |
| 199 | 261 | Oil Red                                                                                 | 25gm      |
| 200 | 262 | Oligo Fectamine                                                                         | 1ml       |
| 201 | 265 | Pararosanine hydrochloride                                                              | 25gm      |
| 202 | 267 | PBS tablet (1 Pack = 50 Tab.)                                                           | 100tab.   |
| 203 | 268 | PCR Master Mix containing Tag DNA polymerase                                            | 200x500ul |
| 204 | 272 | PERCHLORIC ACID (70%)                                                                   | 1ltr.     |
| 205 | 273 | Periodic Acid                                                                           | 100gm     |
| 206 | 275 | Phenol TE saturated                                                                     | 400ml     |
| 207 | 276 | Phosphomolybdcid acid                                                                   | 25gm      |
| 208 | 277 | PHYTANIC ACID                                                                           | 5mg       |
| 209 | 279 | Pilocarpine Nitrate (MW271.27)                                                          | 25gm      |
| 210 | 280 | PIPECOLIC ACID                                                                          | 5gm       |

|     |     |                                                                                        |             |
|-----|-----|----------------------------------------------------------------------------------------|-------------|
| 211 | 281 | Plastic dropper (autoclavable)                                                         | 12000/Pkt.  |
| 212 | 282 | PMSF( phenylmethanesulfonyl fluoride)                                                  | 5gm         |
| 213 | 283 | Poly D Lysine hydrobromide                                                             | 25mg        |
| 214 | 284 | Polyethyleneimine (PEI)                                                                | 1EA         |
| 215 | 285 | Polyvinyl Alcohol                                                                      | 100gm       |
| 216 | 286 | Ponceau S                                                                              | 50gm        |
| 217 | 287 | Ponceaus                                                                               | 100gm       |
| 218 | 288 | Potassium phosphate monobasic                                                          | 500gm       |
| 219 | 289 | Prazosin powder                                                                        | 1gm         |
| 220 | 290 | Pre slit serew caps for 1.5 ml vial                                                    | 2000pc      |
| 221 | 291 | Prednisolone acetate                                                                   | 1gm         |
| 222 | 292 | Premixed Acrylamide/Bis-acrylamide Powder                                              | 100gm       |
| 223 | 294 | Primary antibody against GABA receptor (anti rabbit)                                   | 60ul        |
| 224 | 297 | PRISTANIC ACID                                                                         | 5mg         |
| 225 | 298 | Propadium iodide                                                                       | 100mg       |
| 226 | 299 | Propanolol                                                                             | 100mg       |
| 227 | 301 | Proteinase K SIGMA P2308                                                               | 100mg       |
| 228 | 303 | Pvdf membrane                                                                          | 10EA        |
| 229 | 304 | Pyridine:- 500ML                                                                       | 500ml       |
| 230 | 305 | PYRUVATE STANDARD CONTROL (Sodium pyruvate ReagentPlus®, 99%)                          | 100gm       |
| 231 | 306 | QIA amp DNA blood mini kit to extract/purify genomic DNA from whole blood, PBMCs, etc. | 50Prep      |
| 232 | 307 | Qx174 DNA molecular marker (H III digest)                                              | 50gel lanse |
| 233 | 308 | Restriction Enzymes ACC1                                                               | 5000unit    |
| 234 | 309 | Restriction Enzymes BstN1                                                              | 2000unit    |
| 235 | 310 | Restriction Enzymes Mbo1                                                               | 1500unit    |
| 236 | 312 | Restriction Enzymes, Alu I                                                             | 3000unit    |
| 237 | 313 | Restriction Enzymes, Bam HI                                                            | 4000unit    |
| 238 | 314 | Restriction Enzymes, Dde I                                                             | 5000unit    |
| 239 | 315 | Restriction Enzymes, Fok I                                                             | 100rect.    |
| 240 | 316 | Restriction Enzymes, Kpn I                                                             | 4000unit    |
| 241 | 317 | Restriction Enzymes, Msp I                                                             | 3000unit    |
| 242 | 318 | Restriction Enzymes, Taq I                                                             | 3000unit    |
| 243 | 319 | RIPA buffer                                                                            | 500ml       |
| 244 | 320 | RNA extraction kit                                                                     | 250Prep     |
| 245 | 321 | RNase A                                                                                | 25mg        |
| 246 | 322 | RNase inhibitor (DNase free)                                                           | 3000unit    |
| 247 | 323 | RPMI                                                                                   | 500ml       |

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|-----|-----|---------------------------------------------------------------------|----------|
| 248 | 326 | Safranin                                                            | 50gm     |
| 249 | 327 | Sau961, (Restriction Enzyme)                                        | 1000unit |
| 250 | 330 | Sfc 1                                                               | 200unit  |
| 251 | 331 | Silver Nitrate (Molecular Grade)                                    | 100gm    |
| 252 | 333 | Sodium Acetate                                                      | 500gm    |
| 253 | 334 | Sodium Acetate for Molecular Biology                                | 500gm    |
| 254 | 335 | Sodium Azide:-                                                      | 100gm    |
| 255 | 336 | Sodium Chloride(NaCl)                                               | 1kg.     |
| 256 | 337 | Sodium lauryl sulphate (SDS) for molecular biology SIGMA L3771      | 500gm    |
| 257 | 339 | Sodium dithionite                                                   | 500gm    |
| 258 | 340 | SODIUM HYDROXIDE (2N)                                               | 1ltr.    |
| 259 | 341 | Sodium hydroxide pellets extra pure for mol. Biology                | 500gm    |
| 260 | 342 | Sodium Nitrite, 14244-Alfa-Aesar, Sigma, Toronto research chemicals | 500gm    |
| 261 | 343 | Sodium sulphate(Na <sub>2</sub> SO <sub>4</sub> )                   | 1kg.     |
| 262 | 344 | Sodium taurodeoxycholate hydrate                                    | 1gm      |
| 263 | 348 | Stem cell factor                                                    | 10mg     |
| 264 | 352 | Sulphuric Acid                                                      | 2.5ltr.  |
| 265 | 353 | SYBR green                                                          | 5ml      |
| 266 | 354 | TAE buffer                                                          | 1ltr.    |
| 267 | 355 | Tag DNA polymerase                                                  | 500unit  |
| 268 | 356 | Taq DNA Polymerase                                                  | 500unit  |
| 269 | 357 | Taq Polymérase                                                      | 500unit  |
| 270 | 358 | Taq1 (Restriction Enzyme)                                           | 3000unit |
| 271 | 360 | TEMED SIGMA T7024 or T9281                                          | 100ml    |
| 272 | 362 | TETRACOSANOIC ACID                                                  | 1gm      |
| 273 | 363 | Tetrahydrofuran HPLC grade                                          | 1ltr.    |
| 274 | 364 | Tetrazolium blue                                                    | 5gm      |
| 275 | 366 | Thalidomide                                                         | 100mg    |
| 276 | 367 | Thrombopietin(Biolegend- CA/Sigma-USA)                              | 100ug    |
| 277 | 368 | Thromboprotein                                                      | 100ug    |
| 278 | 369 | Thymidine                                                           | 100gm    |
| 279 | 370 | Tissue culture bottle 25 cm <sup>2</sup> sterile (disposable)       | 200/CS   |
| 280 | 371 | Toluidine Blue                                                      | 5gm      |
| 281 | 372 | Total nucleic acid Extraction kit/ serum samples (for 100 rkn /kit) | 50Perp   |
| 282 | 373 | Trac kit 100 bp DNA Ladder                                          | 50ug     |
| 283 | 374 | Tri reagent BD                                                      | 100ml    |
| 284 | 375 | Trichloroacetic acid, A322 -Fisher Sigma,                           | 500gm    |

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|-----|-----|--------------------------------------------------------------------------|----------|
|     |     | Toronto research chemicals                                               |          |
| 285 | 376 | Triethanolamine hydrochloride ?99.5% (titration)                         | 250gm    |
| 286 | 377 | Triethylamine HPLC grade                                                 | 1ltr.    |
| 287 | 379 | Trifluoro acetic acid                                                    | 500ml    |
| 288 | 380 | Tris Buffer pH 7-9 powder                                                | 500gm    |
| 289 | 381 | Tris Buffer Solid                                                        | 500gm    |
| 290 | 382 | Tris Chloride for mol. Biology                                           | 100ml    |
| 291 | 383 | Triton X - 100                                                           | 1ltr.    |
| 292 | 385 | TRIZMA base SIGMA T 1503                                                 | 500gm    |
| 293 | 386 | Tropic Acid                                                              | 25gm     |
| 294 | 387 | Trypsin                                                                  | 500ml    |
| 295 | 388 | Tween 20                                                                 | 500ml    |
| 296 | 389 | Ethidium Bromide                                                         | 30ml     |
| 297 | 393 | Valproic acid                                                            | 25gm     |
| 298 | 395 | Water LCMS MS grade                                                      | 1lt.     |
| 299 | 396 | Whatman Filter paper number 1, 2, 3                                      | Pkt.     |
| 300 | 397 | Wright stain                                                             | 25gm     |
| 301 | 398 | Xhol                                                                     | 5000unit |
| 302 | 399 | Xylene cyanol FF                                                         | 10gm     |
| 303 | 401 | B-mercaptoethanol                                                        | 250ml    |
| 304 | 402 | $\beta$ -NADH (REDUCED SODIUM SALT )                                     | 1gm      |
| 305 | 406 | TETRACOSANOIC ACID-3,3,5,5-D4<br>Very long chain fatty acid C24 analysis | 1gm      |
| 306 | 419 | Trifluoro acetic acid- For LCMSMS analysis                               | 500ml    |
| 307 | 421 | Solution for Stain/Methanol – MS grade For LCMSMS analysis               | 4ltr.    |
| 308 | 427 | Acetone For LCMSMS analysis                                              | 10ltr.   |
| 309 | 433 | Trifluoroacetic acid For LCMSMS analysis                                 | 500ml    |
| 310 | 444 | RESTRICTION ENZYMES MspI                                                 | 3000unit |
| 311 | 445 | RESTRICTION ENZYMES MvnI                                                 | 1000unit |
| 312 | 446 | RESTRICTION ENZYMES MvaI                                                 | 2000unit |
| 313 | 447 | RESTRICTION ENZYMES AclI (f)                                             | 1000unit |
| 314 | 449 | RESTRICTION ENZYMES BstNI                                                | 2000unit |
| 315 | 450 | RESTRICTION ENZYMES AclI                                                 | 1000unit |
| 316 | 451 | RESTRICTION ENZYMES MseI                                                 | 2500unit |
| 317 | 452 | RESTRICTION ENZYMES Fnu4HI                                               | 1000unit |
| 318 | 453 | RESTRICTION ENZYMES BsmAI                                                | 1000unit |
| 319 | 454 | RESTRICTION ENZYMES BsaAI                                                | 2500unit |
| 320 | 455 | RESTRICTION ENZYMES DraI                                                 | 1500unit |
| 321 | 456 | RESTRICTION ENZYMES AclI                                                 | 1000unit |
| 322 | 457 | RESTRICTION ENZYMES CviKI-I                                              | 1500unit |

|     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
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| 323 | 458 | RESTRICTION ENZYMES Ddel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1000unit |
| 324 | 460 | RESTRICTION ENZYMES Nla III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2500unit |
| 325 | 461 | RESTRICTION ENZYMES HinfI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5000unit |
| 326 | 462 | RESTRICTION ENZYMES AfeI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1000unit |
| 327 | 464 | FOR HIGH FIDELITY cDNA Synthesis Kit<br>PCR (qPCR), Reaction Format: Super Mix or Master Mix, Sample Type<br>(General): RNA Final Product Size(s): 10 kb or less, Optimal Reaction Temperature: 42° C, Primer Type: Random Primers<br>92 Product Line: Super Script™, VILO™, Product Size: 50 reactions, Shipping Condition: Dry Ice<br>Contents & storage • 5X VILO Reaction Mix containing random primers, dNTPs, and MgCl <sub>2</sub><br>• 10X Super Script III Enzyme Blend containing Super Script III RT, RNase OUT Recombinant Ribonuclease Inhibitor, and proprietary helper protein Store in freezer (-5 to -30°C). | 100rxn   |
| 328 | 467 | PRIMER 20 BASE PAIRS – FORWARD FOR MITOCHONDIAL GENOME SEQUENCING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 400base  |
| 329 | 473 | DITHIOTHREITOL-10ml<br>FOR METABOLIC DISORDER SCREENING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10ml     |
| 330 | 474 | diethyl ether- MS grade<br>FOR METABOLIC DISORDER SCREENING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4ltr.    |
| 331 | 475 | MSTFA(N-methyl-N-trimethylsilyl trifluoroacetamide -30ML<br>FOR METABOLIC DISORDER SCREENING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 25gm     |
| 332 | 477 | L-Tryptophan salt HPLC Grade                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100gm    |
| 333 | 478 | L-Kynurenine salt HPLC Grade                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50mg     |
| 334 | 481 | Ethidium Bromide Purity 100%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 25gm     |
| 335 | 482 | Prazosin powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1gm      |
| 336 | 483 | Proteinase-K<br>Lyophilized powder, 30 units/mg protein for molecular biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1gm      |
| 337 | 484 | Chloroform MS/MS Grade                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.5ltr.  |
| 338 | 486 | Propanolol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 25gm     |
| 339 | 489 | Histamine<br>Reference Standard for Bioassay, purity 100%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5gm      |
| 340 | 490 | Antibiotic antimycotic solution for cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100ml    |

|     |     |                                                                       |               |
|-----|-----|-----------------------------------------------------------------------|---------------|
|     |     | culture                                                               |               |
| 341 | 491 | Antibiotic antimycotic solution for cell culture                      | 100ml         |
| 342 | 492 | Antibiotic solution 100x (penicillin + streptomycin) for cell culture | 100ml         |
| 343 | 493 | Biotinylated protein ladder marker set                                | 650ul         |
| 344 | 494 | Bradford reagent                                                      | 500ml         |
| 345 | 495 | D(+) Glucose cell culture tested                                      | 1kg.          |
| 346 | 496 | DEPC Treated Water                                                    | 250ml         |
| 347 | 497 | Diethyl pyrocarbonate DEPC)                                           | 500ml         |
| 348 | 498 | Dithiothreitol.                                                       | 25gm          |
| 349 | 499 | DMEM (liquid) High glucose L-glutamine, Sod. Pyr., Sod. Bic.          | Per pack      |
| 350 | 500 | DMEM cell culture tested (liquid)                                     | 500ml         |
| 351 | 501 | DMEM with L- glutamine for cell culture (powdered)                    | 500ml         |
| 352 | 502 | DMSO for molecular biology                                            | 500ml         |
| 353 | 503 | DNA Ladder                                                            | 100 gel lanes |
| 354 | 504 | dNTP mix 10 mM adjusted to neutral pH                                 | 1ml           |
| 355 | 505 | Ethanol AR                                                            | 500ml         |
| 356 | 506 | Ethidium Bromide                                                      | 25gm          |
| 357 | 507 | Gentamycin for cell culture                                           | 50ml          |
| 358 | 508 | Glycerol for Molecular Biology                                        | 1ltr.         |
| 359 | 510 | Guanidium thiocyanate                                                 | 100gm         |
| 360 | 511 | I PTG (Isopropyl Thiogalactopyranoside)                               | 5gm           |
| 361 | 512 | L- Glutamine cell culture tested                                      | 100ml         |
| 362 | 513 | LB media                                                              | 500gm         |
| 363 | 514 | N,N'methylene bis acrylamide AR                                       | 50gm          |
| 364 | 515 | Orthophenylenediamine (OPD)                                           | 25gm          |
| 365 | 516 | Protease, Dnase, and Rnase free Water for M.B.                        | 1ltr.         |
| 366 | 519 | Protein molecular weight marker Low range Prestained                  | 25ul          |
| 367 | 520 | Protein molecular weight marker Medium range                          | 50ul          |
| 368 | 521 | Protein molecular weight marker High range                            | 25ul          |
| 369 | 522 | Proteinase K                                                          | 100mg         |
| 370 | 523 | RPMI -1640 with L- glutamine for cell culture (powdered)              | 500ml         |
| 371 | 524 | RPMI-1640 cell culture tested (liquid)                                | 500ml         |
| 372 | 525 | Sodium bicarbonate cell culture tested                                | 1kg           |

|     |     |                                                                                             |         |
|-----|-----|---------------------------------------------------------------------------------------------|---------|
| 373 | 526 | Sodium dodecyl sulphate AR                                                                  | 500gm   |
| 374 | 527 | Sodium Pyruvate Cell Culture tested                                                         | 100ml   |
| 375 | 528 | Taq DNA Polymerase 5U/ $\mu$ L with 10X buffer and separate vial of 25 mM MgCl <sub>2</sub> | 400unit |
| 376 | 529 | TEMED                                                                                       | 100ml   |
| 377 | 530 | Tetramethoxy Propane                                                                        | 100ml   |
| 378 | 531 | TRI Reagent BD                                                                              | 200ml   |
| 379 | 532 | Tri Reagent (trizol)                                                                        | 100ml   |
| 380 | 533 | TRIS base AR                                                                                | 500gm   |
| 381 | 534 | Tris HCl AR grade                                                                           | 500gm   |
| 382 | 535 | Trypan blue (0.5%) for cell culture                                                         | 100ml   |
| 383 | 536 | Trypsin (0.25%) for cell culture with EDTA                                                  | 100ml   |
| 384 | 537 | Ellagic acid                                                                                | 25gm    |
| 385 | 538 | Epigallocatechin-3-Galate                                                                   | 100mg   |
| 386 | 539 | 6-Hydroxy Dopamine                                                                          | 100mg   |
| 387 | 541 | Xylazine                                                                                    | 5gm     |
| 388 | 543 | Colchimid                                                                                   | 10ml    |
| 389 | 545 | Colchimid                                                                                   | 10ml    |
| 390 | 546 | Amniomax- Complete media for amniotic fluid culture                                         | 100ml   |
| 391 | 547 | Sodium Citrate                                                                              | 500gm   |
| 392 | 548 | KCL                                                                                         | 250gm   |
| 393 | 549 | Hanks balanced Salt solution                                                                | 500ml   |
| 394 | 550 | Trypsin EDTA                                                                                | 100ml   |
| 395 | 551 | Fetal bovine serum                                                                          | 500ml   |



(Dr. Dinesh Kumar)

Purchase Officer