

**Table 2.1 – General chemicals**

| <b>Chemical</b>   | <b>Supplier</b>             |
|---|-----------------------------|
| 1 kb DNA ladder   | Promega (UK)                |
| 1-ethyl-3-(3-dimethylaminopropyl)-carbodiimide hydrochloride (EDC)  | Pierce (USA)                |
| 2,6-di-tert-butyl-4-methyl phenol (BHT)                             | Sigma-Aldrich (UK)          |
| 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide (MTT) | Sigma-Aldrich (UK)          |
| 3-amino-1-propanol  | Sigma-Aldrich (UK)          |
| 4 % w/v copper (II) sulphate pentahydrate                           | Sigma-Aldrich (UK)          |
| 4 (dimethylamino) pyridine (DMAP)                                   | Sigma-Aldrich (UK)          |
| 5,6-carboxyfluorescein succinimidyl ester                           | Molecular Probes Inc. (USA) |
| 9-anthraldehyde   | Sigma-Aldrich (UK)          |
| Acetone   | Fisher Scientific (UK)      |
| Acetonitrile  | Fisher Scientific (UK)      |
| Agarose; electrophoresis grade                                      | Bioline (UK)                |
| Ammonium persulphate (APS)  | Sigma-Aldrich (UK)          |
| Anhydrous dimethyl sulphoxide (DMSO)                                | Sigma-Aldrich (UK)          |
| Aprotinin   | Sigma-Aldrich (UK)          |
| BamHI   | Promega (UK)                |
| Bicinchoninic acid (BCA)  | Sigma-Aldrich (UK)          |
| Boric acid  | Fisher Scientific (UK)      |
| Bovine serum albumin (BSA)  | Sigma-Aldrich (UK)          |
| Bovine serum albumin protein standard soln (1mg/ml)                 | Sigma-Aldrich (UK)          |
| Broad range protein standards                                       | Bio-Rad (UK)                |
| Calcium chloride  | Fisher Scientific (UK)      |
| Citric acid monohydrate   | Sigma-Aldrich (UK)          |
| Deuterium oxide   | Sigma-Aldrich (UK)          |
| Diethyl ether   | Fisher Scientific (UK)      |
| Dimethylformamide (DMF)   | Sigma-Aldrich (UK)          |
| Dimethylsulphoxide lab reagent grade                                | Sigma-Aldrich (UK)          |
| ECL Detection Reagents  | Amersham Biosciences (UK)   |
| EcoRI   | Promega (UK)                |
| Ethanol   | Fisher Scientific (UK)      |
| Ethidium bromide (10 mg/ml) solution                                | Sigma-Aldrich (UK)          |
| Ethyl acetate   | Fisher Scientific (UK)      |
| Ethylenediaminetetraacetic acid (EDTA)                              | Sigma-Aldrich (UK)          |
| FACS clean  | Becton Dickinson (UK)       |
| FACS flow   | Becton Dickinson (UK)       |
| FACS safe   | Becton Dickinson (UK)       |
| Falcon tubes  | Becton Dickinson (UK)       |
| FITC-uPA  | American Diagnostica (USA)  |
| Fluorescein   | Sigma-Aldrich (UK)          |

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| Fluorescein isothiocyanate (FITC)  | Sigma-Aldrich (UK)          |
| FMOC-Asparagine-Trt  | Novobiochem (UK)            |
| FMOC-Cysteine-tbutyl   | Novobiochem (UK)            |
| FMOC-Glycine   | Novobiochem (UK)            |
| FMOC-Histidine-Trt   | Novobiochem (UK)            |
| FMOC-Isoleucine  | Novobiochem (UK)            |
| FMOC-Leucine   | Novobiochem (UK)            |
| FMOC-Lysine-Boc  | Novobiochem (UK)            |
| FMOC-Phenylalanine   | Novobiochem (UK)            |
| FMOC-Serine-tbutyl   | Novobiochem (UK)            |
| FMOC-Threonine-tbutyl  | Novobiochem (UK)            |
| FMOC-Tryptophan-Boc  | Novobiochem (UK)            |
| FMOC-Tyrosine-tbutyl   | Novobiochem (UK)            |
| FMOC-Valine  | Novobiochem (UK)            |
| Glacial acetic acid  | Fisher Scientific (UK)      |
| Hydrochloric acid  | Fisher Scientific (UK)      |
| K6 Silica Gel Plate 60 Å 250 µm thickness                                  | Whatman (UK)                |
| K6 (254) Silica Gel Plate 60 Å 250 µm thickness<br>(fluorescent indicator) | Whatman (UK)                |
| Latex beads (100 nm)   | Sigma-Aldrich (UK)          |
| Latex beads (300 nm)   | Sigma-Aldrich (UK)          |
| LB Agar tablets  | Sigma-Aldrich (UK)          |
| LB media tablets   | Anachem (UK)                |
| Leupeptin  | Sigma-Aldrich (UK)          |
| Lithium acetate  | Sigma-Aldrich (UK)          |
| Luciferase substrate   | Promega (UK)                |
| Magnesium chloride   | Fisher Scientific (UK)      |
| Megaprep plasmid purification kit  | Qiagen (UK)                 |
| Methanol   | Fisher Scientific (UK)      |
| Methyl Iodide  | Fisher Scientific (UK)      |
| Monoclonal mouse $\alpha$ -uPAR antibody (Product #3937)                   | American Diagnostica (USA)  |
| N,N disuccinimidyl carbonate   | Fisher Scientific (UK)      |
| N,N,N,N'-tetra-methyl-ethylenediamine (TEMED)                              | Bio-Rad (UK)                |
| N-2-hydroxyethylpiperazine-N'-ethanesulphonic acid<br>(HEPES)              | Sigma-Aldrich (UK)          |
| N-hydroxysulphosuccinimide (Sulpho-NHS)                                    | Pierce (USA)                |
| N-methyl pyrrolidinone (NMP)   | Sigma-Aldrich (UK)          |
| Oregon Green® 488-X, succinimidyl ester *6-isomer*                         | Molecular Probes Inc. (USA) |
| Passive cell lysate (5x) buffer  | Promega (UK)                |
| Pepstatin  | Sigma-Aldrich (UK)          |
| Phenylmethylsulfonyl fluoride (PMSF)                                       | Sigma-Aldrich (UK)          |
| Polyclonal goat $\alpha$ -uPAR antibody (Product # 399R)                   | American Diagnostica (USA)  |

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|--|------------------------|
| Polyoxyethylene sorbitan monolaurate (Tween 20)                    | Sigma-Aldrich (UK)     |
| Polyvinylidene fluoride (PVDF) 0.45 µm pore size -<br>Immobilon-P™ | Millipore (UK)         |
| Propidium iodide   | Sigma-Aldrich (UK)     |
| Rainbow broad range protein standards                              | Invitrogen (UK)        |
| Sodium chloride  | Fisher Scientific (UK) |
| Sodium dodecyl sulphate  | Fisher Scientific (UK) |
| Sodium hydroxide pellets   | Sigma-Aldrich (UK)     |
| Sodium nitrate   | Sigma-Aldrich (UK)     |
| Succinic acid  | Sigma-Aldrich (UK)     |
| Tetrahydrofuran (THF)  | Fisher Scientific (UK) |
| Triethylamine (TEA)  | Fisher Scientific (UK) |
| Tris borate EDTA (10x) buffer (TBE)                                | Sigma-Aldrich (UK)     |
| Tris(hydroxymethyl)aminomethane (Tris-Base)                        | Sigma-Aldrich (UK)     |
| Tris(hydroxymethyl)aminomethane hydrochloride (Tris-<br>HCl)       | Sigma-Aldrich (UK)     |
| Triton X-100   | Sigma-Aldrich (UK)     |
| Tyrosinamide   | Sigma-Aldrich (UK)     |
| Urokinase, high molecular weight. Product code: 672081             | Calbiochem (UK)        |