

Nr sprawy: AZP-240/PN-p30/028/2020

Dotyczy postępowania o udzielenie zamówienia publicznego o wartości szacunkowej nieprzekraczającej 214 000 EURO prowadzonego w trybie przetargu nieograniczonego pn. **Dostawa odczynników dla Katolickiego Uniwersytetu Lubelskiego Jana Pawła II z podziałem na części**

## OPIS PRZEDMIOTU ZAMÓWIENIA DLA CZĘŚCI 4

### Odczynniki według katalogu Sigma-Aldrich lub równoważne

| Lp. | Nazwa produktu  | Czystość | Nr katalogowy | Nazwa producenta | Ilość1 | Opakowanie (nie większe niż podane poniżej) |
|-----|---|----------|---------------|------------------|--------|---|
| 1   | 2   | 3        | 4             | 5                | 6      | 7   |
| 1   | (±)-Abscisic acid BioReagent, plant cell culture tested (HPLC) CAS <a href="#">14375-45-2</a> | ≥98.5%   | A1049-250MG   | Sigma-Aldrich    | 1      | 250MG                                       |
| 2   | 10X PCR Buffer Optimized for routine PCR with MgCl <sub>2</sub> included                      | -        | P2192-5VL     | Sigma-Aldrich    | 1      | 5VL   |
| 3   | 2-Propanol BioUltra, for molecular biology (GC) CAS <a href="#">67-63-0</a>                   | ≥99.5%   | 59304-500ML-F | Sigma-Aldrich    | 1      | 500ML                                       |
| 4   | 2,4-Dichlorophenoxyacetic acid plant cell culture tested, ≥98%, crystalline, CAS 94-75-7      | ≥98%     | D7299-100G    | Sigma-Aldrich    | 1      | 100G  |
| 5   | 2',7'-Dichlorofluorescein Diacetate CAS <a href="#">4091-99-0</a>                             | -        | D6883-250MG   | Sigma-Aldrich    | 1      | 250MG                                       |
| 6   | 3-Hydroxy-DL-Kynurenine CAS 484-78-6  | -        | H1771-25MG    | Sigma-Aldrich    | 1      | 25MG  |
| 7   | 5-Azacytidine ≥98% (HPLC) CAS 320-67-2  | ≥98%     | A2385-250MG   | Sigma-Aldrich    | 1      | 250MG                                       |

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|----|--|---------|-------------------|---------------|---|-------|
| 8  | 6-Benzylaminopurine CAS <a href="#">1214-39-7</a>  | -       | B3408-5G          | Sigma-Aldrich | 1 | 5G    |
| 9  | <b>AC agar for microbiology</b>  | -       | A3340-500G        | Sigma-Aldrich | 1 | 500G  |
| 10 | Acrylamide for molecular biology, ≥99% (HPLC) CAS 79-06-1                                | ≥99%    | A9099-1KG         | Sigma-Aldrich | 1 | 1KG   |
| 11 | <b>Algae Culture Broth for microbiology</b>  | -       | <b>17124-500G</b> | Sigma-Aldrich | 1 | 500G  |
| 12 | alkohol koniferylowy (Coniferyl alcohol) CAS <a href="#">458-35-5</a>                    | -       | 223735-100MG      | Sigma-Aldrich | 1 | 100MG |
| 13 | Anti-Casein Kinase II alpha antibody produced in Rabbit                                  | -       | SAB4500514-100UG  | Sigma-Aldrich | 1 | 100UG |
| 14 | <b>Anti-Rabbit IgG (whole molecule)-FITC antibody produced in goat</b>                   | -       | F0382-1ML         | Sigma-Aldrich | 1 | 1ML   |
| 15 | <b>Anti-α-Tubulin antibody, Mouse monoclonal</b>   | -       | T8203-100UL       | Sigma-Aldrich | 1 | 100UL |
| 16 | <b>Aphidicolin, Ready Made Solution from <i>Nigrospora sphaerica</i>, CAS 38966-21-1</b> | -       | A4487-1ML         | Sigma-Aldrich | 1 | 1ML   |
| 17 | Aspartame CAS <a href="#">22839-47-0</a>   | -       | 47135             | Sigma-Aldrich | 2 | 5G    |
| 18 | bezwodny glikol etylowy CAS <a href="#">107-21-1</a>                                     | 99,8%   | 324558-1L         | Sigma-Aldrich | 1 | 1L    |
| 19 | <b>BIS-TRIS (titration) CAS 6976-37-0</b>  | ≥98,0%  | <b>B9754-100G</b> | Sigma-Aldrich | 2 | 100G  |
| 20 | Błękit trypanu, sterylny roztwór CAS 72-57-1   | 0,4%    | T8154-20ML        | Sigma-Aldrich | 5 | 20ML  |
| 21 | Copper(I) chloride, anhydrous,   | ≥99,99% | 651745            | Sigma Aldrich | 2 | 5 G   |

|    |   |          |             |               |   |        |
|----|---|----------|-------------|---------------|---|--------|
|    | beads CAS 7758-89-6   |          |             |               |   |        |
| 22 | Copper(II) chloride, anhydrous, powder CAS 7447-39-4  | ≥99,995% | 451665-5G   | Sigma Aldrich | 2 | 5 G    |
| 23 | <u>Pyrokohlensaurediethylester 97%</u>  | 97%      | 159220-25G  | Sigma-Aldrich | 2 | 25G    |
| 24 | <b>Digitonin, Used as Non-Ionic Detergent CAS 11024-24-1</b>  | -        | D141-100MG  | Sigma Aldrich | 2 | 100MG  |
| 25 | <b>Dimethyl sulfoxide PCR Reagent CAS <a href="#">67-68-5</a></b>   | -        | D9170-1VL   | Sigma-Aldrich | 2 | 1VL    |
| 26 | Dulbecco's Phosphate Buffered Saline z MgCl <sub>2</sub> i CaCl <sub>2</sub> , sterylne, do hodowli komórkowych   | -        | D8662-500ML | Sigma-Aldrich | 1 | 500ML  |
| 27 | Dulbecco's modified eagle's medium nutri  | -        | D8437-500ML | Sigma-Aldrich | 2 | 500ML  |
| 28 | <b>Ectoine osmoprotectant CAS<a href="#">96702-03-3</a></b>   | -        | E2271-100MG | Sigma-Aldrich | 1 | 100MG  |
| 29 | Fibroblast Growth Factor-Basic human CAS <a href="#">106096-93-9</a>  | -        | F0291-25UG  | Sigma-Aldrich | 1 | 25UG   |
| 30 | <b>Formamide ≥99.5%, CAS 75-12-7</b>  | ≥99.5%   | F9037-100ML | Sigma-Aldrich | 1 | 100ML  |
| 31 | Guanidine hydrochloride ≥99% (titration), organic base and chaotropic agent CAS 50-01-1   | ≥99%     | G4505-1KG   | Sigma-Aldrich | 1 | 1KG    |
| 32 | In Vitro Toxicology Assay Kit, Resazurin based, zestaw do badania cytotoxyczności, metoda kolorymetryczna/fluorymetryczna na hodowlach komórkowych wystarczający na 2000 testów | -        | TOX8-1KT    | Sigma-Aldrich | 1 | zestaw |
| 33 | Kwercetyna CAS 117-39-5   | -        | Q4951-10G   | Sigma-Aldrich | 2 | 10G    |
| 34 | L-Alanine CAS 56-41-7   | ≥98%     | A7627       | Sigma-Aldrich | 2 | 100G   |

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|----|--|------|---------------|---------------|---|---------------|
| 35 | Long R3 IGF-I solution human   | -    | 91590C-5ML    | Sigma-Aldrich | 1 | 5ML           |
| 36 | <b>Lyticase from <i>Arthrobacter luteus</i> lyophilized powder, ≥200 units/mg solid , CAS 37340-57-1</b> | -    | L4025-50KU    | Sigma-Aldrich | 1 | 50KU          |
| 37 | Methylbenzethonium chloride CAS <a href="#">25155-18-4</a>   | -    | M7379-10G     | Sigma-Aldrich | 1 | 10G           |
| 38 | Minimum Essential Medium Eagle   | -    | M2279-6X1L    | Sigma-Aldrich | 1 | 6X1L          |
| 39 | Minimum Essential Medium Eagle   | -    | M0644-10X1L   | Sigma-Aldrich | 1 | 10X1L         |
| 40 | <b>Multiwall Carbon Nanotube CAS 308068-56-6</b>   | >90% | 659258-10G    | Sigma-Aldrich | 1 | 10G           |
| 41 | <i>N,N</i> -Dimethylformamide dimethyl acetal CAS <a href="#">4637-24-5</a>                              | -    | 394963-10X1ML | Sigma-Aldrich | 1 | 10X1ML        |
| 42 | Ni-NTA (złożenie do oczyszczanie rekombinowane białko z 6xHis)   | -    | P6611-25ML    | Sigma-Aldrich | 1 | 25ML          |
| 43 | Nitric acid 65% Suprapur   | -    | 1004410250    | Sigma Aldrich | 1 | 250 ML        |
| 44 | 1) <u>Nitrite/Nitrate Assay Kit, colorimetric</u>  | -    | 23479-1KT-F   | Sigma Aldrich | 1 | na 100 testów |
| 45 | Nitro Blue Tetrazolium, CAS <a href="#">298-83-9</a>   | -    | N5514-25TAB   | Sigma-Aldrich | 1 | 25TAB         |
| 46 | Nitrotetrazolium Blue chloride ~98% (TLC ) CAS <a href="#">298-83-9</a>                                  | ~98% | N6876-250MG   | Sigma-Aldrich | 1 | 250MG         |
| 47 | oksydaza ksantynowa CAS <a href="#">9002-</a>  | -    | X4376-5UN     | Sigma-Aldrich | 2 | 5UN           |

|    |  |        |             |               |   |        |
|----|--|--------|-------------|---------------|---|--------|
|    | <a href="#">17-9</a>   |        |             |               |   |        |
| 48 | p-aminofenol, CAS <a href="#">123-30-8</a>   | -      | A71328-1KG  | Sigma-Aldrich | 1 | 1KG    |
| 49 | PAN (1-(2-Pirydylazo)-2-naftol), do spektrofotometrycznego oznaczania jonów metali CAS <a href="#">85-85-8</a>                 | ≥97%   | 101036-5G   | Sigma-Aldrich | 1 | 5G     |
| 50 | <b>Pectinase from <i>Aspergillus niger</i> CAS 9032-75-1</b>   | -      | P4716-25KU  | Sigma-Aldrich | 1 | 25KU   |
| 51 | Peroxidase Activity Assay Kit  | -      | MAK092-1KT  | Sigma-Aldrich | 1 | zestaw |
| 52 | <b>Sodium citrate tribasic dihydrate ACS reagent, ≥99.0%, CAS 6132-04-3</b>  | ≥99.0% | S4641-1KG   | Sigma-Aldrich | 1 | 1KG    |
| 53 | sodium selenite (selenin sodu), odpowiedni do hodowli komórkowych CAS <a href="#">10102-18-8</a>                               | ≥98%   | S5261-100G  | Sigma-Aldrich | 1 | 100G   |
| 54 | sulfaminian niklu (II) czterowodny CAS <a href="#">124594-15-6</a>   | ≥98%   | 262277-500G | Sigma-Aldrich | 1 | 500G   |
| 55 | <b>Taq DNA Polymerase from <i>Thermus aquaticus</i> with 10× PCR reaction buffer containing MgCl<sub>2</sub> CAS 9012-90-2</b> | -      | D1806-1.5KU | Sigma-Aldrich | 1 | 1.5KU  |
| 56 | Terrific broth, modified   | -      | T0918-1KG   | Sigma-Aldrich | 1 | 1KG    |
| 57 | TRI Reagent®<br>For processing tissues, cells cultured in monolayer or cell pellets  | -      | T9424-100ML | Sigma-Aldrich | 1 | 100ML  |
| 58 | <b>Trichostatin A, Ready Made Solution, 5 mM in DMSO (0.2 µm-filtered), from <i>Streptomyces</i> sp. , CAS 58880-19-6</b>      | -      | T1952-200UL | Sigma-Aldrich | 1 | 200UL  |
| 59 | Triton X - 100 for molecular biology CAS <a href="#">9002-93-1</a>   | -      | T8787-50ML  | Sigma-Aldrich | 1 | 50ML   |

|           |   |         |             |               |   |        |
|-----------|---|---------|-------------|---------------|---|--------|
| <b>60</b> | Uridine 5'-diphosphate disodium salt hydrate  | ≥96.0 % | 94330-100MG | Sigma-Aldrich | 2 | 100 MG |
| <b>61</b> | witamina E CAS <a href="#">10191-41-0</a>   | ≥95,5%  | 258024-100G | Sigma-Aldrich | 1 | 100G   |
| <b>62</b> | β-Nicotinamide adenine dinucleotide 2'-phosphate reduced tetrasodium salt hydrate CAS <a href="#">2646-71-1</a> | 93-100% | N1630-100MG | Sigma-Aldrich | 1 | 100MG  |