



**PROTEIN**  
BIOTECHNOLOGIES

**HUMAN OSTEOSARCOMA / CHONDROSARCOMA CANCER TISSUE MICROARRAY**

**Catalog Number:** TMA-013

Each core from each tissue represents one specimen selected and pathologically confirmed. Normal matched or unmatched tissue is provided for comparison to the cancer tissue.

**Cases:** 79    **Cores:** 80    **Diameter:** 1.5 mm    **Thickness:** 5 µm    **Standard IHC:** Anti-proliferating cell nuclear antigen antibody confirmed

**Layout:** 8 x 10

|          | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| <b>A</b> | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10        |
| <b>B</b> | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20        |
| <b>C</b> | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30        |
| <b>D</b> | 31       | 32       | 33       | 34       | 35       | 36       | 37       | 38       | 39       | 40        |
| <b>E</b> | 41       | 42       | 43       | 44       | 45       | 46       | 47       | 48       | 49       | 50        |
| <b>F</b> | 51       | 52       | 53       | 54       | 55       | 56       | 57       | 58       | 59       | 60        |
| <b>G</b> | 61       | 62       | 63       | 64       | 65       | 66       | 67       | 68       | 69       | 70        |
| <b>H</b> | 71       | 72       | 73       | 74       | 75       | 76       | 77       | 78       | 79       | 80        |

| <b>Core No.</b> | <b>Location</b> | <b>Tissue</b> | <b>Diagnosis</b>                | <b>Grade</b> | <b>Sex</b> | <b>Age</b> |
|-----------------|-----------------|---------------|---------------------------------|--------------|------------|------------|
| 1               | A1              | Bone          | Osteosarcoma of right femur     | -            | F          | 7          |
| 2               | A2              | Bone          | Osteosarcoma of left knee       | -            | F          | 23         |
| 3               | A3              | Bone          | Osteosarcoma of left knee       | -            | F          | 15         |
| 4               | A4              | Bone          | Osteosarcoma of left femur      | -            | M          | 22         |
| 5               | A5              | Bone          | Osteosarcoma of right upper arm | -            | F          | 31         |
| 6               | A6              | Bone          | Osteosarcoma of right femur     | -            | M          | 16         |
| 7               | A7              | Bone          | Osteosarcoma of right tibia     | -            | F          | 10         |
| 8               | A8              | Bone          | Osteosarcoma of left tibia      | -            | M          | 10         |
| 9               | A9              | Bone          | Osteosarcoma of right tibia     | -            | F          | 19         |
| 10              | A10             | Bone          | Osteosarcoma of right femur     | -            | M          | 14         |
| 11              | B1              | Bone          | Osteosarcoma of left femur      | -            | F          | 13         |
| 12              | B2              | Bone          | Osteosarcoma of left fibula     | -            | M          | 19         |
| 13              | B3              | Bone          | Osteosarcoma of left femur      | -            | F          | 23         |
| 14              | B4              | Bone          | Osteosarcoma of left femur      | -            | M          | 37         |
| 15              | B5              | Bone          | Osteosarcoma of right thigh     | -            | M          | 69         |
| 16              | B6              | Bone          | Osteosarcoma of right upper arm | -            | M          | 39         |
| 17              | B7              | Bone          | Osteosarcoma of right femur     | -            | F          | 37         |
| 18              | B8              | Bone          | Osteosarcoma of left femur      | -            | F          | 31         |
| 19              | B9              | Bone          | Osteosarcoma of left femur      | -            | M          | 28         |
| 20              | B10             | Bone          | Osteosarcoma of left femur      | -            | F          | 57         |
| 21              | C1              | Bone          | Osteosarcoma of left femur      | -            | M          | 17         |
| 22              | C2              | Bone          | Osteosarcoma of left femur      | -            | F          | 12         |



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|----|-----|-----------|---|---|---|----|
| 23 | C3  | Bone      | Osteosarcoma of thoracic spine                    | - | M | 18 |
| 24 | C4  | Bone      | Osteosarcoma of right femur                       | - | M | 16 |
| 25 | C5  | Bone      | Osteosarcoma of left knee                         | - | M | 55 |
| 26 | C6  | Bone      | Osteosarcoma of right tibia                       | - | M | 60 |
| 27 | C7  | Bone      | Osteosarcoma of right fibula                      | - | M | 34 |
| 28 | C8  | Bone      | Osteosarcoma of right femur                       | - | F | 14 |
| 29 | C9  | Bone      | Osteosarcoma of left femur                        | - | M | 21 |
| 30 | C10 | Bone      | Osteosarcoma of left femur                        | - | F | 16 |
| 31 | D1  | Bone      | Osteosarcoma of left femur                        | - | M | 15 |
| 32 | D2  | Bone      | Osteosarcoma of left fibula                       | - | F | 18 |
| 33 | D3  | Bone      | Osteosarcoma of right femur                       | - | M | 15 |
| 34 | D4  | Bone      | Osteosarcoma of left thigh                        | - | M | 19 |
| 35 | D5  | Bone      | Osteosarcoma of skull                             | - | M | 24 |
| 36 | D6  | Bone      | Osteosarcoma of left tibia                        | - | M | 19 |
| 37 | D7  | Bone      | Osteosarcoma of left leg                          | - | F | 40 |
| 38 | D8  | Bone      | Osteosarcoma of right femur                       | - | F | 28 |
| 39 | D9  | Bone      | Osteosarcoma of right femoral medial              | - | M | 15 |
| 40 | D10 | Bone      | Osteosarcoma of right femur                       | - | M | 16 |
| 41 | E1  | Bone      | Osteosarcoma of right femur                       | - | M | 15 |
| 42 | E2  | Bone      | Fibrous tissue of right tibia distal end          | - | F | 17 |
| 43 | E3  | Bone      | Osteosarcoma of right femur                       | - | M | 19 |
| 44 | E4  | Bone      | Osteosarcoma of right femur                       | - | M | 41 |
| 45 | E5  | Bone      | Osteosarcoma of left femur                        | - | F | 48 |
| 46 | E6  | Bone      | Osteosarcoma of left femur                        | - | M | 10 |
| 47 | E7  | Bone      | Osteosarcoma of right femur                       | - | F | 13 |
| 48 | E8  | Bone      | Osteosarcoma of left thigh                        | - | F | 62 |
| 49 | E9  | Bone      | Osteosarcoma of right femur                       | - | F | 13 |
| 50 | E10 | Bone      | Osteosarcoma                                      | - | M | 47 |
| 51 | F1  | Bone      | Chondrosarcoma of right femur                     | - | M | 14 |
| 52 | F2  | Cartilage | Cartilage undifferentiated chondrosarcoma         | - | M | 35 |
| 53 | F3  | Cartilage | Chondrosarcoma of right occipital                 | - | F | 31 |
| 54 | F4  | Cartilage | Chondrosarcoma of upper jaw bone                  | - | F | 43 |
| 55 | F5  | Cartilage | Chondrosarcoma of tibia                           | - | M | 16 |
| 56 | F6  | Cartilage | Chondrosarcoma of left tibia                      | - | F | 13 |
| 57 | F7  | Cartilage | Chondrosarcoma of right femur                     | - | F | 17 |
| 58 | F8  | Cartilage | Undifferentiated chondrosarcoma of left foot sole | - | M | 28 |
| 59 | F9  | Cartilage | Chondrosarcoma of femur                           | - | F | 48 |
| 60 | F10 | Cartilage | Chondrosarcoma of back                            | 1 | F | 64 |



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|    |     |           |  |   |   |    |
|----|-----|-----------|--|---|---|----|
| 61 | G1  | Cartilage | Undifferentiated chondrosarcoma of left hip bone | - | M | 38 |
| 62 | G2  | Cartilage | Chondrosarcoma of left ilium                     | 1 | M | 37 |
| 63 | G3  | Cartilage | Chondrosarcoma of sacrococcygeal                 | 1 | M | 52 |
| 64 | G4  | Cartilage | Chondrosarcoma of left shoulder                  | 1 | F | 47 |
| 65 | G5  | Cartilage | Chondrosarcoma of shoulder                       | 1 | M | 52 |
| 66 | G6  | Cartilage | Mesenchymal chondrosarcoma of leg                | - | M | 30 |
| 67 | G7  | Cartilage | Chondrosarcoma of right hand middle finger       | - | M | 74 |
| 68 | G8  | Cartilage | Chondrosarcoma                                   | 1 | M | 22 |
| 69 | G9  | Cartilage | Chondrosarcoma of left thigh                     | 1 | M | 50 |
| 70 | G10 | Cartilage | Chondrosarcoma of femur                          | - | M | 41 |
| 71 | H1  | Cartilage | Chondrosarcoma of right scapula                  | 1 | F | 39 |
| 72 | H2  | Cartilage | Chondrosarcoma of bone                           | 1 | M | 40 |
| 73 | H3  | Cartilage | Chondrosarcoma of right pollicis                 | 1 | M | 59 |
| 74 | H4  | Cartilage | Chondrosarcoma of right femur                    | 1 | F | 12 |
| 75 | H5  | Cartilage | Chondrosarcoma of L3 pyramis                     | 1 | M | 50 |
| 76 | H6  | Cartilage | Chondrosarcoma of left ilium                     | 1 | M | 35 |
| 77 | H7  | Cartilage | Chondrosarcoma of right femur                    | 1 | M | 50 |
| 78 | H8  | Cartilage | Chondrosarcoma                                   | - | M | 42 |
| 79 | H9  | Bone      | Normal bone tissue                               | - | M | 79 |
| 80 | H10 | Bone      | Normal bone tissue of No. 10                     | - | M | 14 |

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