



**PROTEIN**  
BIOTECHNOLOGIES

**HUMAN CARTILAGES SARCOMA CANCER TISSUE ARRAY**

**Catalog Number:** TMA-154

Each three (3) dots from three different tissue spots represents one single specimen that was selected and pathologically confirmed

**Cases:** 26    **Cores:** 75    **Diameter:** 1mm    **Thickness:** 5 µm    **Standard IHC:** PCNA confirmed

**Layout:** 8 x 9

|          | <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>A</b> | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        |
| <b>B</b> | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       |
| <b>C</b> | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       |
| <b>D</b> | 28       | 29       | 30       | 31       | 32       | 33       | 34       | 35       | 36       |
| <b>E</b> | 37       | 38       | 39       | 40       | 41       | 42       | 43       | 44       | 45       |
| <b>F</b> | 46       | 47       | 48       | 49       | 50       | 51       | 52       | 53       | 54       |

| <b>Core No.</b> | <b>Location</b> | <b>Tissue</b> | <b>Diagnosis</b>  | <b>Grade</b> | <b>Sex</b> | <b>Age</b> |
|-----------------|-----------------|---------------|---|--------------|------------|------------|
| 01              | A1              | Lung          | Chondrosarcoma of right middle superior lung (grade I)  | I            | M          | 34         |
| 02              | A2              | Lung          | Chondrosarcoma of right middle superior lung (grade I)  | I            | M          | 34         |
| 03              | A3              | Lung          | Chondrosarcoma of right middle superior lung (grade I)  | I            | M          | 34         |
| 04              | A4              | Bone          | Chondrosarcoma of left femur superior segment (grade I) | I            | M          | 39         |
| 05              | A5              | Bone          | Chondrosarcoma of left femur superior segment (grade I) | I            | M          | 39         |
| 06              | A6              | Bone          | Chondrosarcoma of left femur superior segment (grade I) | I            | M          | 39         |
| 07              | A7              | Bone          | Chondrosarcoma of back (grade I)                        | I            | F          | 64         |
| 08              | A8              | Bone          | Chondrosarcoma of back (grade I)                        | I            | F          | 64         |
| 09              | A9              | Bone          | Chondrosarcoma of back (grade I)                        | I            | F          | 64         |
| 10              | B1              | Pleura        | Mesenchymal chondrosarcoma of pleura                    | -            | F          | 40         |
| 11              | B2              | Pleura        | Mesenchymal chondrosarcoma of pleura                    | -            | F          | 40         |
| 12              | B3              | Pleura        | Mesenchymal chondrosarcoma of pleura                    | -            | F          | 40         |
| 13              | B4              | Bone          | Chondrosarcoma of left ilium (grade III)                | III          | M          | 13         |
| 14              | B5              | Bone          | Chondrosarcoma of left ilium (grade III)                | III          | M          | 13         |
| 15              | B6              | Bone          | Chondrosarcoma of left ilium (grade III)                | III          | M          | 13         |
| 16              | B7              | Bone          | Chondrosarcoma of sacrococcygeal (grade I)              | I            | M          | 52         |
| 17              | B8              | Bone          | Chondrosarcoma of sacrococcygeal (grade I)              | I            | M          | 52         |
| 18              | B9              | Bone          | Chondrosarcoma of sacrococcygeal (grade I)              | I            | M          | 52         |
| 19              | C1              | Bone          | Chondrosarcoma of ribs (grade I)                        | I            | M          | 50         |
| 20              | C2              | Bone          | Chondrosarcoma of ribs (grade I)                        | I            | M          | 50         |
| 21              | C3              | Bone          | Chondrosarcoma of ribs (grade I)                        | I            | M          | 50         |
| 22              | C4              | Bone          | Chondrosarcoma of femur superior segment (grade I)      | I            | F          | 48         |
| 23              | C5              | Bone          | Chondrosarcoma of femur superior segment (grade I)      | I            | F          | 48         |
| 24              | C6              | Bone          | Chondrosarcoma of femur superior segment (grade I)      | I            | F          | 48         |
| 25              | C7              | Bone          | Chondrosarcoma of left ilium (grade I)                  | I            | M          | 37         |
| 26              | C8              | Bone          | Chondrosarcoma of left ilium (grade I)                  | I            | M          | 37         |
| 27              | C9              | Bone          | Chondrosarcoma of left ilium (grade I)                  | I            | M          | 37         |
| 28              | D1              | Bone          | Chondrosarcoma of right femur inferior                  | II           | M          | 14         |



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|----|----|--------|---|-----|---|----|
|    |    |        | segment (grade II)  |     |   |    |
| 29 | D2 | Bone   | Chondrosarcoma of right femur inferior segment (grade II) | II  | M | 14 |
| 30 | D3 | Bone   | Chondrosarcoma of right femur inferior segment (grade II) | II  | M | 14 |
| 31 | D4 | Bone   | Chondrosarcoma of right occipital (grade II)              | II  | F | 31 |
| 32 | D5 | Bone   | Chondrosarcoma of right occipital (grade II)              | II  | F | 31 |
| 33 | D6 | Bone   | Chondrosarcoma of right occipital (grade II)              | II  | F | 31 |
| 34 | D7 | Bone   | Mesenchymal chondrosarcoma                                | -   | M | 47 |
| 35 | D8 | Bone   | Mesenchymal chondrosarcoma                                | -   | M | 47 |
| 36 | D9 | Bone   | Mesenchymal chondrosarcoma                                | -   | M | 47 |
| 37 | E1 | Bone   | Chondrosarcoma of left sternum (grade I)                  | I   | M | 46 |
| 38 | E2 | Bone   | Chondrosarcoma of left sternum (grade I)                  | I   | M | 46 |
| 39 | E3 | Bone   | Chondrosarcoma of left sternum (grade I)                  | I   | M | 46 |
| 40 | E4 | Bone   | Chondrosarcoma of left thigh (grade I)                    | I   | M | 50 |
| 41 | E5 | Bone   | Chondrosarcoma of left thigh (grade I)                    | I   | M | 50 |
| 42 | E6 | Bone   | Chondrosarcoma of left thigh (grade I)                    | I   | M | 50 |
| 43 | E7 | Bone   | Chondrosarcoma of left shoulder (grade I)                 | I   | F | 47 |
| 44 | E8 | Bone   | Chondrosarcoma of left shoulder (grade I)                 | I   | F | 47 |
| 45 | E9 | Bone   | Chondrosarcoma of left shoulder (grade I)                 | I   | F | 47 |
| 46 | F1 | Kidney | Chondrosarcoma of left kidney (grade II)                  | II  | F | 54 |
| 47 | F2 | Kidney | Chondrosarcoma of left kidney (grade II)                  | II  | F | 54 |
| 48 | F3 | Kidney | Chondrosarcoma of left kidney (grade II)                  | II  | F | 54 |
| 49 | F4 | Bone   | Chondrosarcoma of left tibia (grade III)                  | III | F | 13 |
| 50 | F5 | Bone   | Chondrosarcoma of left tibia (grade III)                  | III | F | 13 |
| 51 | F6 | Bone   | Chondrosarcoma of left tibia (grade III)                  | III | F | 13 |
| 52 | F7 | Bone   | Chondrosarcoma of bone (grade III)                        | III | M | 40 |
| 53 | F8 | Bone   | Chondrosarcoma of bone (grade III)                        | III | M | 40 |
| 54 | F9 | Bone   | Chondrosarcoma of bone (grade III)                        | III | M | 40 |
| 55 | G1 | Bone   | Dedifferentiation chondrosarcoma of left foot sole        | -   | M | 28 |
| 56 | G2 | Bone   | Dedifferentiation chondrosarcoma of left foot sole        | -   | M | 28 |
| 57 | G3 | Bone   | Dedifferentiation chondrosarcoma of left foot sole        | -   | M | 28 |
| 58 | G4 | Bone   | Chondrosarcoma of right scapula (grade I)                 | I   | F | 39 |
| 59 | G5 | Bone   | Chondrosarcoma of right scapula (grade I)                 | I   | F | 39 |
| 60 | G6 | Bone   | Chondrosarcoma of right scapula (grade I)                 | I   | F | 39 |
| 61 | G7 | Bone   | Chondrosarcoma of bone (grade I)                          | I   | M | 22 |
| 62 | G8 | Bone   | Chondrosarcoma of bone (grade I)                          | I   | M | 22 |
| 63 | G9 | Bone   | Chondrosarcoma of bone (grade I)                          | I   | M | 22 |
| 64 | H1 | Bone   | Chondrosarcoma of tibia superior segment (grade I)        | I   | M | 16 |
| 65 | H2 | Bone   | Chondrosarcoma of tibia superior segment (grade I)        | I   | M | 16 |
| 66 | H3 | Bone   | Chondrosarcoma of tibia superior segment (grade I)        | I   | M | 16 |
| 67 | H4 | Bone   | Chondrosarcoma of shoulder (grade I)                      | I   | M | 52 |
| 68 | H5 | Bone   | Chondrosarcoma of shoulder (grade I)                      | I   | M | 52 |
| 69 | H6 | Bone   | Chondrosarcoma of shoulder (grade I)                      | I   | M | 52 |
| 70 | H7 | Bone   | Chondrosarcoma of femur inferior segment (grade III)      | III | M | 41 |
| 71 | H8 | Bone   | Chondrosarcoma of femur inferior segment (grade III)      | III | M | 41 |
| 72 | H9 | Bone   | Chondrosarcoma of femur inferior segment (grade III)      | III | M | 41 |



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|----|----|----------------|---|-----|---|----|
| 73 | 11 | Lower jaw bone | Chondrosarcoma of left lower jaw bone (grade III) | III | F | 21 |
| 74 | 12 | Lower jaw bone | Chondrosarcoma of left lower jaw bone (grade III) | III | F | 21 |
| 75 | 13 | Lower jaw bone | Chondrosarcoma of left lower jaw bone (grade III) | III | F | 21 |

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