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P. Romano, A. Manniello et al. Nucl Acids Res
 2009 37:D925-D932.
 DOI: [doi:10.1093/nar/gkn730](https://doi.org/10.1093/nar/gkn730); PMID:
18927105

This is the complete description of the cell line that you selected. By clicking on a generic term (e.g., SPECIES) you will go to the corresponding index (e.g., index of species), while by clicking on a specific term (e.g., retinoblastoma) you will go to the list of corresponding cell lines (e.g., retinoblastoma cell lines).

A-498 (human, kidney, carcinoma)

SPECIES: human

TISSUE/ORGAN: kidney

TUMOR: carcinoma

DSMZ catalog code: ACC 55

Morphology: epithelial-like, adherent cells growing as monolayers

Description: human kidney carcinoma established from the kidney carcinoma of a 52-year-old man in 1973 confirmed as human with IEF of AST, MDH, NP

Viruses: ELISA: reverse transcriptase negative; PCR: EBV-, HBV-, HCV-, HHV-8-, HIV-, HTLV-I/II-

Depositor: Dr. H. Kirchner, Medical School of Hannover, Hannover, Germany

General Restrictions

Available in the following **LABORATORY**:

- German Collection of Microorganisms and Cell Cultures** (DSMZ, Braunschweig)
 90% MEM (with Earle's salts) + 10% FBS split confluent cultures 1:3 to 1:5 every 3-5 days using trypsin/EDTA; seed out at ca. 1.0×10^6 cells/80 cm² at 37°C with 5% CO₂ about $2-3 \times 10^6$ cells/80 cm²; doubling time of > 60 hours; frozen with 70% medium, 20% FBS, 10% DMSO at about $1-2 \times 10^6$ cells/ampoule; contamination was eliminated with Mycoplasma Removal Agent, then negative in DAPI, microbiological culture, RNA hybridization, PCR assays;
 Validated by: cytogenetics 1 (hypertriploid with 7% polyploidy; 72(68-72)<3n>XX, -X, +2, -3, -6, +7, +7, +9, -11, -14, +17, -18, -20, +21, +3m, dm/r (31%); der(1)t(1;1)(p32;q12), der(2)t(2;3)(q37;q13), i(8q); sideline with der(3)t(3;3)(q27;p14)) * DNA fingerprinting (unique Hinf I-(gtg)₅ DNA profile) * immunological analysis (cytokeratin+ desmin- endothel- GFAP- neurofil- vimentin+) * isoenzymes (confirmed as human with IEF of AST, MDH, NP) * reverse transcriptase (negative)

Availability in **cell line catalogues**: **ATCC**: HTB 44, **IZSBS**: BS TCL 111, **ICLC**: HTL04005

Bibliographic references:

- J Natl Cancer Inst 1973;51:1417-1423 - PMID: **4357758**

See also

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