

Human Colon Tumor Cell lines

Part of the CLS cell bank

CLS Cell Lines Service



Name of cell line	Cell type	Organism, Ethnicity	Age / Gender	Tissue / Disease	Morphology	Growth properties	Passage	CLS order no.
Caco-2 ¹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	72 / male	Colon / adenocarcinoma	Epithelial	Monolayer, adherent	41	300137
Colo-205 ²	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	70 / male	Colon / Dukes' type D	Epithelial	Adherent	26	300380
Colo-320 DM ³	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	55 / female	Colon / Dukes' type D	Rounded and refractile	Adherent	33	300153
Colo-60H ⁴	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	73 / male	Colon transversum / Untreated adenocarcinoma	Epithelial	Adherent, in colonies	37	300456
Colo-94H ⁵	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	70 / male	Colon ascendens / adenocarcinoma	Epithelial	Adherent, monolayer	13	300161
CX-1 ⁶	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	44 / female	Colon / adenocarcinoma	Epithelial	Adherent, colonies	21	300159
HCT-8 (HRT-18) ⁷	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	67 / male	Colon / adeno-carcinoma, ileocecal	Epithelial	Adherent, monolayer	27	300210
HHC6548 T1 M1 ⁸	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	26 / male	Colon ascendens, UICC IIIc / Adenocarcinoma, TNM stage T3N2Mx grading G3	Epithelial-fibroblastoid	Adherent 2D, in colonies	26	300832
HROBMC01 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	60 / female	Colorectal Cancer (CRC) / a brain metastasis of a primary colorectal carcinoma	Epithelial-fibroblastoid	Adherent, in colonies	26	300800
HROC103 T0 M1 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	44 / male	Colon rectum, UICC IIIa / Epithelial Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T2N1M0R0L0V0, grading G2 Lk(n) +2, \sum Lk(n) 23).	Epithelial	Adherent 2D, colonies	29	300802

Name of cell line	Cell type	Organism, Ethnicity	Age / Gender	Tissue / Disease	Morphology	Growth properties	Passage	CLS order no.
HROC107 ⁹	Colorectal adenocarcinoma / cell line	Homo sapiens (Human) / Caucasian	74 / male	Colon sigmoid, UICC IV / TNM stage T3N2M1R0L1V0, grade G2, Lk(n) +10, \sum Lk(n)18)	Epithelial	Adherent 2D, in colonies	40	300845
HROC112Met T0 M2 ⁹	Colorectal adenocarcinoma / cell line	Homo sapiens (Human) / Caucasian	79 / female	Liver Metastasis, Metastasis of primary CRC tissue. Colon ascendens, TNM stage T3N2M1, grade G2	Epithelial	Adherent, in colonies	18	300846
HROC113 ¹⁰	Colorectal adenocarcinoma / cell line	Homo sapiens (Human) / Caucasian	41 / female	Colon ascendens, UICC IV TNM stage T4N2M0R0, grading G3, Lk(n) +5, \sum Lk(n) 45).	Epithelial	Adherent 2D, in colonies	36	300803
HROC126 ⁹	Colorectal adenocarcinoma / cell line	Homo sapiens (Human) / Caucasian	58 / female	Colon rectum, UICC IIIa / Primary adenocarcinoma, TNM stage T3N1M0R0L1V1, grading G2, Lk(n) +2, \sum Lk(n) 15	Epithelial	Adherent, in colonies	26	300804
HROC131 T0 M3 ⁹	Colorectal adenocarcinoma / cell line	Homo sapiens (Human) / Caucasian	75 / female	Colon ascendens, UICC IIIa, TNM stage T3N1M0R0L0V0, grade G3, Lk(n) +2, \sum Lk(n) 22	Epithelial	Adherent, in colonies	25	300805
HROC147 T0 M1 ⁹	Colorectal adenocarcinoma / cell line	Homo sapiens (Human) / Caucasian	54 / male	CRC tissue (Colon sigmoid, T3N2M1R0L1V1, grade G3, Lk(n) +4, \sum Lk(n) 32)	Epithelial	Adherent, 2D in colonies	25	300856
HROC147Met ⁹	Colorectal adenocarcinoma / cell line	Homo sapiens (Human) / Caucasian	54 / male	Liver Metastasis, Metastasis of primary CRC tissue (Colon sigmoid, T3N2M1R0L1V1, grade G3, Lk(n) +4, \sum Lk(n) 32)	Epithelial	Adherent, 2D in colonies	25	300806
HROC173 ⁹	Colorectal adenocarcinoma / cell line	Homo sapiens (Human) / Caucasian	45 / male	Colon ascendens, UICC IV, Primary adenocarcinoma, TNM stage T4N2M1R2L0V0 grading G3, Lk(n) +11, \sum Lk(n) 29	Epithelial	Adherent, in colonies	28	300807

Name of cell line	Cell type	Organism, Ethnicity	Age / Gender	Tissue / Disease	Morphology	Growth properties	Passage	CLS order no.
HROC18 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	65 / female	Colon (caecum), UICC I / Primary adenocarcinoma, TNM stage T2N0M0 R0L0V0, grading G2, Lk(n) +0, \sum Lk(n) 28	Epithelial	Adherent, in colonies	39	300808
HROC183 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	59 / female	Colon ascendens, UICC IIIb / Primary adenocarcinoma, TNM stage T3N2M0R0L1V0, grading G3, Lk(n) +12, \sum Lk(n) 12	Epithelial	Adherent, in colonies	26	300809
HROC183 T0 M2 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	59 / female	Colon ascendens UICC IIIb / Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T3N2M0R0L1V0, grade G3, Lk(n) +12, \sum Lk(n) 12).	Epithelial	Adherent, in colonies	24	300810
HROC212 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	74 / female	Colon caecum, UICC IV / Primary adenocarcinoma, TNM stage T4N2M1R0L1V0, grading G3, Lk(n) +7, \sum Lk(n) 20	Epithelial	Adherent, in colonies	24	300811
HROC24 ¹⁰	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	98 / male	Colon ascendens, UICC I / Primary adenocarcinoma, TNM stage T2N0M0R0L0V1, grading G2, Lk(n) +0, \sum Lk(n) 13	Epithelial	Adherent, in colonies	27	300812
HROC24 T1 M1 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	98 / male	PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, UICC I, TNM stage T2N0M0R0L0V1 grading G2, Lk(n) +0, \sum Lk(n) 13).	Epithelial	Adherent, Small cells within colonies	25	300813
HROC257 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	84 / female	Colon ascendens, UICC IV, Primary adenocarcinoma, TNM stage T4N2MXR1L1V1, grading G3, Lk(n) +8, \sum Lk(n) 15	Epithelial	Adherent, in colonies	25	300814

Name of cell line	Cell type	Organism, Ethnicity	Age / Gender	Tissue / Disease	Morphology	Growth properties	Passage	CLS order no.
HROC257 T0 M1 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	84 / female	Colon ascendens, UICC IV, Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T4N2MXR1L1V1, grade G3, Lk(n) +8, \sum Lk(n) 15).	Epithelial	Adherent, in colonies	25	300815
HROC277 T0 M1 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	77 / male	Colon coecum, UICC IV, Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T4N2M1R0L0V1, grade G2, Lk(n) +0 \sum Lk(n) 12)	Epithelial	Adherent, in colonies		300834
HROC277Met2 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	78 / male	Liver Metastasis, Metastasis of primary CRC tissue	Epithelial	Adherent, in colonies	9	300848
HROC277Met2 T0 M1 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	78 / male	Liver Metastasis, Metastasis of primary CRC tissue		Adherent, in colonies		300840
HROC278Met T2 M2 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	76 / female	Peritoneal Metastasis, Established from a PDX (patient-derived xenograft) of metastasis of primary CRC tissue (Colon ascendens, TNM stage T4N2M1R0L1V1, grade G4, Lk(n) +19 \sum Lk(n) 29)	Epithelial	Adherent, in colonies		300836
HROC278 T0 M1 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	76 / female	Colon ascendens, UICC IV, Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T4N2M1R0L1V1, grade G4).	Epithelial	Adherent, in colonies		300835
HROC284Met ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	67 / female	Liver Metastasis, Metastasis of Primary CRC tissue	Epithelial	Adherent, in colonies	22	300816

Name of cell line	Cell type	Organism, Ethnicity	Age / Gender	Tissue / Disease	Morphology	Growth properties	Passage	CLS order no.
HROC285 T0 M2 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	30 / female	Colon, UICC IV, Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T4N2M1R2L1V0, grade G2, Lk(n) +5 \sum Lk(n) 20).	Epithelial	Adherent, in colonies	26	300817
HROC285Met ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (human)	30 / female	Metastasis of Primary CRC tissue (Colon, TNM stage T4,N2,M1R2L1V0, grading G2., Lk(n) +5 \sum Lk(n) 20).	Epithelial	Adherent, in colonies		
HROC296 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	92 / female	Colon ascendens, UICC IIa, Primary adenocarcinoma, TNM stage T3N0M0R0L0V0, grading G2, , Lk(n) +0 \sum Lk(n) 35).	Epithelial	Adherent, in colonies	18	300853
HROC309 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	86 / male	Colon descendens, Primary adenocarcinoma TNM stage T2N0M0R0L0V0, grade G2, , Lk(n) +0 \sum Lk(n) 23).	Epithelial	Adherent, Colonies		300837
HROC313Met ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	72 / male	Lung Metastasis, Metastasis of Primary CRC tissue	Epithelial	Adherent, in colonies	45	300849
HROC32 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	82 / female	Colon ascendens, UICC IV, Primary adenocarcinoma, TNM stage T4N2M1R0L0V1 grading G2, , Lk(n) +9 \sum Lk(n) 14).	Epithelial	Adherent, in colonies	49	300818
HROC32 T3 M1 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	82 / female	Colon ascendens, UICC IV, Established from a PDX (patient-derived xenograft) primary CRC tissue (Colon ascendens, TNM stage T4N2M1R0L0V1 grading G2, Lk(n) +9 \sum Lk(n) 14).	Epithelial	Adherent, in colonies	28	300819
HROC324 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	55 / female	Colon caecum, UICC IIIb, Primary adenocarcinoma, TNM stage T3N2M0R0L1V0, grading G3, Lk(n) +5 \sum Lk(n) 24	Epithelial	Adherent, in colonies		300383

Name of cell line	Cell type	Organism, Ethnicity	Age / Gender	Tissue / Disease	Morphology	Growth properties	Passage	CLS order no.
HROC334 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	69 / female	Colon coecum, UICC IIa, Primary adenocarcinoma, TNM stage T3N0M0R0L0V0, grading G2, Lk(n) +0 \sum Lk(n) 40	Epithelial	Adherent, in colonies	19	300850
HROC357 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian		Colon transversum, TNM stage T3N0M0R0L0V0, grading G2, Lk(n) +0 \sum Lk(n) 25		Adherent, in colonies		300851
HROC364 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (human)	41 / male	Right Flexur, Primary adenocarcinoma, TNM stage T3N0M0R0L0V0, grading G2, TNM stage T3N0M0R0L0V0, grading G2, Lk(n) +0 \sum Lk(n) 22	Epithelial	Adherent, in colonies		???
HROC374 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	64 / male	Colon sigmoid, Primary adenocarcinoma, TNM stage T3N2M0R0L0V1, grading G3; Lk(n) +4 \sum Lk(n) 14	Epithelial	Adherent, in colonies	6	300852
HROC39 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	69 / male	Colon ascendens, UICC IIb, Primary adenocarcinoma, TNM stage T4N0M0R0L0V1, grading G3, Lk(n) +0 \sum Lk(n) 34	Epithelial	Adherent, in colonies	26	300820
HROC39 T0 M2 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	69 / male	Colon ascendens, UICC IIb, Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T4N0M0R0L0V1, grade G3 Lk(n) +0 \sum Lk(n) 34).	Epithelial	Adherent, in colonies	26	300821
HROC40 ^{9, 21, 22,}	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	69 / male	Colon descendens, UICC IIIa, Primary adeno-carcinoma, TNM stage T3N1M0R0L1V1, grading G3, Lk(n) +2 \sum Lk(n) 18	Epithelial	Adherent, in colonies	28	300822
HROC43 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	72 / male	Colon ascendens; UICC IIIb, Primary adenocarcinoma, TNM stage T3N2M0R0L1V0, grading G3, Lk(n) +30 \sum Lk(n) 36	Epithelial	Adherent, in colonies	29	300823

Name of cell line	Cell type	Organism, Ethnicity	Age / Gender	Tissue / Disease	Morphology	Growth properties	Passage	CLS order no.
HROC46 T0 M1 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	66 / male	Colon ascendens, UICC IV, Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T3N0M1R2L0V1, grading G3, Lk(n) +0 \sum Lk(n) 34)	Epithelial	Adherent, in colonies	30	300824
HROC50 T1 M5 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	67 / female	Colon ascendens, UICC IIb, Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T4N0M0R0L0V0, grading G2, Lk(n) +0 \sum Lk(n) 34)	Epithelial	Adherent, in colonies		300839
HROC57 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	43 / male	Colon ascendens, UICC IV, Primary adenocarcinoma, TNM stage T3N2M1R2L1V1, grading G3, Lk(n) +16 \sum Lk(n) 28	Epithelial	Adherent, in colonies	25	300825
HROC59 T1 M1 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	76 / male	Colon ascendens, UICC IV, Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T3N1M1R0L1V0, grading G2, Lk(n) +1 \sum Lk(n) 27).	Epithelial	Adherent, in colonies	36	300826
HROC60 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	71 / male	Colon ascendens, UICC I, Primary adenocarcinoma, TNM stage T2N0M0R0L0V0, grading G2, Lk(n) +0 \sum Lk(n) 47	Epithelial	Adherent, in colonies	44	300827
HROC69 ⁹	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	62 / male	Colon ascendens, UICC IIIa, Primary adenocarcinoma, TNM stage T3N0M1R0L0V0, grading G3, Lk(n) +0 \sum Lk(n) 34	Epithelial	Adherent, in colonies	25	300828

Name of cell line	Cell type	Organism, Ethnicity	Age / Gender	Tissue / Disease	Morphology	Growth properties	Passage	CLS order no.
HROC80 T1 M1 ¹⁰	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	72 / male	Colon ascendens, UICC IIIa, Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T3N2M1ROL1V0, grade G2, Lk(n) +4 \sum Lk(n) 17).	Epithelial	Adherent, in colonies	26	300830
HROC87 T0 M2 ¹⁰	Colorectal adenocarcinoma cell line	Homo sapiens (Human) / Caucasian	76 / female	Colon ascendens, UICC IIa, Established from a PDX (patient-derived xenograft) of primary CRC tissue (Colon ascendens, TNM stage T3N0M0R0L0V0, grade G3, Lk(n) +0 \sum Lk(n) 13).	Epithelial	Adherent, in colonies	26	300831
HT-29 ¹¹	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	44 / female	Colon, Adenocarcinoma, colorectal	Epithelial	Monolayer, adherent	43	300215
HuTu-80 ¹²	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	53 / male	Duodenum, Adenocarcinoma	Epithelial	Monolayer, adherent	37	300218
LoVo ¹³	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	56 / male	Colon, grade IV, Dukes' type C, Colorectal adenocarcinoma	Epithelial	Monolayer, adherent	18	300266
LS-174T ¹⁴	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	58 / female	Colon; Duke's type B, Colorectal adenocarcinoma	Epithelial	Adherent	40	300392
LS-513 ¹⁵	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	63 / male	Colorectal carcinoma, cecum, Dukes' type C	Epithelial	Monolayer, adherent	37	300457
SW-1116 ¹⁶	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	73 / male	Colon, Colon carcinoma, grade III; Dukes' type A	Epithelial	Monolayer, adherent	39	300348
SW-403 ¹⁶	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	51 / female	Colon, colorectal adenocarcinoma, grade III, Dukes' type C.	Epithelial	Adherent	31	300350
SW-480 ¹⁷	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	51 / male	Colon, Colorectal Adenocarcinoma; Grade IV; Dukes' type B.	Epithelial	Monolayer, adherent	39	300302
SW-620 ¹⁷	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	51 / male	Colon, Colorectal adenocarcinoma, Duke`s type C	Epithelial	Adherent	24	300466
SW-948 ¹⁶	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	81 / female	Colon; colorectal Adenocarcinoma, grade III, Dukes' type C	Epithelial	Monolayer, adherent	19	300347

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T84 ¹⁸	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	72 / male	Colon (from metastatic site: lung), colorectal carcinoma	Epithelial	monolayer, adherent	42	300354
WiDr ¹⁹	Colon carcinoma cell line	Homo sapiens (Human) / Caucasian	78 / female	Colon, Colorectal Adenocarcinoma	Epithelial	Monolayer, adherent	39	300377

Information on cell culture conditions, authentication data and others can be found on the website: www.clsgmbh.de

Table 2: Human Colon cancer cell lines: Special Features

Name of cell line	Cell type	Cell Marker	Tumor antigens	Mutations	Secretion of Products	Ref ID in Cellosaurus ²⁹	CLS order no.
Caco-2 ¹	Colon carcinoma cell line	HLA class II neg, Me-2, 1; PGM3, 1; PGM1, 1; ES-D, 1; AK-1, 1; GLO-1, 1; G6PD, B.		K-Ras ^{wt}	Heat stable enterotoxin (Sta, E. coli); epidermal growth factor (EGF); retinoic acid binding protein I and retinol binding protein II; keratin positive.	RRID:CVLL_0131	300137
Colo-205 ²	Colon carcinoma cell line	G6PD, B; PGM1, 1-2; PGM3, 1-2; 6PGD, A; ES-D, 1-2, PEP-D, 1		K-Ras ^{wt}	G6PD, B; PGM1, 1-2; PGM3, 1-2; 6PGD, A; ES-D, 1-2, PEP-D, 1 carcinoembryonic antigen (CEA) 1.5 to 4.1 ng/10 ⁶ cells/10 days; keratin; interleukin 10 (IL-10, interleukin-10)	RRID:CVCL_1118	300380
Colo-320 DM ³	Colon carcinoma cell line	PGM1,1; PGM3, 2; G6PD, B; PEP-D, 1; 6PGD, A; ES-D, 1		K-Ras ^{wt}	serotonin; norepinephrine; epinephrine; adrenocorticotrophic hormone (ACTH); parathyroid hormone	RRID:CVCL_1232	300153
Colo-60H ⁴	Colon carcinoma cell line	HLA-0201 positive		K-Ras ^{wt}		RRID:CVCL_1239	300456
Colo-94H ⁵	Colon carcinoma cell line	Cytokeratine 8, 18, 19		COLO-94H cells carry a mutation in codon 12 of Kras gene: GGT(Wt Gly) >GAT(Asp)		RRID:CVCL_4220	300161
CX-1 ⁶	Colon carcinoma cell line	Cytokeratine 8, 18, 19		p53 pos, CEA pos, K-Ras ^{wt}		RRID:CVCL_4U38	300159
HCT-8 (HRT-18) ⁶	Colon carcinoma cell line	CDx (+/-), CDy (-), AK-1, 1; ES-D, 1-2; GLO-1, 2; G6PD, B; PGM1, 1; PGM3, 1; Me-2, 1		HRT-18 cells carry a mutation in codon 13 of Kras gene: GGC(Wt Gly) >GAC(Asp)	carcinoembryonic antigen (CEA) 0.5 ng/10 exp6 cells/10 days; alkaline phosphatase; keratin	RRID:CVCL_4U39	300210

Name of cell line	Cell type	Cell Marker	Tumor antigens	Mutations	Secretion of Products	Ref ID in Cellosaurus ²⁹	CLS order no.
HHC6548 T1 M1 ⁶	Colorectal adenocarcinoma cell line			K-Ras ^{G13D} , N-Ras ^{wt} , H-Ras ^{wt} , B-Raf ^{wt} , PIK3CA ^{wt}	PTEN ⁻	RRID:CVCL_4U40	300832
HROBMC01 ⁶	Colorectal adenocarcinoma cell line			p53 ^{mut} , APC ^{mut} , K-Ras ^{G12VA} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN ⁻	RRID:CVCL_4U41	300800
HROC103 T0 M1 ¹³	Colorectal adenocarcinoma cell line			p53 ^{wt} , APC ^{mut} , K-Ras ^{wt} , N-Ras ^{wt} , B-Raf ^{wt} , PIK3CA ^{wt}		RRID:CVCL_4U42	300802
HROC107 ¹⁴	Colorectal adenocarcinoma cell line	CDx (+/-), Cdy (-)		p53 ^{mut} , K-Ras ^{mut} , B-RAF ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{mut}	PTEN	RRID:CVCL_4U43	300845
HROC112Met T0 M2 ¹⁵	Colorectal adenocarcinoma cell line	CDx (+/-), Cdy (-),		K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , B-Raf ^{wt} , PIK3CA ^{wt}	PTEN	RRID:CVCL_4U44	300846
HROC113 ¹⁶	Colorectal adenocarcinoma cell line			p53 ^{wt} , K-Ras ^{mut} , B-RAF ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt}	PTEN	RRID:CVCL_S852	300803
HROC126 ¹⁷	Colorectal adenocarcinoma cell line			K-Ras ^{wt} , B-RAF ^{wt}		RRID:CVCL_4U45	300804
HROC131 T0 M3 ¹⁷	Colorectal adenocarcinoma cell line			K-Ras ^{wt} , B-RAF ^{mut} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt}	PTEN	RRID:CVCL_4U49	300805
HROC147Met ¹⁷	Colorectal adenocarcinoma cell line			APC ^{mut} , p53 ^{wt} , K-Ras ^{mut} , B-RAF ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt}		RRID:CVCL_0844	300806
HROC173 ¹⁷	Colorectal adenocarcinoma cell line			K-Ras ^{wt} , B-RAF ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{mut}	PTEN	RRID:CVCL_0346	300807
HROC18 ^{17, 20,21,22,23,24,25}	Colorectal adenocarcinoma cell line	CD15 ⁺ , CD24 ⁺ , CD44 ⁺ , CD55 ⁺ , CD58 ⁺ , CD50 ⁺ , CD 54 ⁺ , CD66acde ⁺ , CD71 ⁺ , CD102 ⁺ , CD326 ⁺ , CD80 ⁻ , CD86 ⁻ , EpCAM ⁺ , HLA-A2 ⁺ , MHC1 ⁺ , MHCII ⁺ (IFN γ pretreated), Her2/neu ⁺ , EGFR ⁺	CA19-g ^{high} , CEA ^{low} , IL-8, IL-10 ⁻	APC ^{mut} , p53 ^{mut} , K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , B-RAF ^{wt} , PIK3CA ^{mut}	CIN ^{pos} β -actin, osteopontin, PTEN, High level Phophatidyserin (PS) expression	RRID:CVCL_2092	300808

Name of cell line	Cell type	Cell Marker	Tumor antigens	Mutations	Secretion of Products	Ref ID in Cellosaurus ²⁹	CLS order no.
HROC183	Colorectal adenocarcinoma cell line	CD326 ⁺ , CD44 ⁺ , CD15 ⁺ , CD71 ⁺ , CD73 ^{low} , CD274 ⁺ , CD47 ⁺ , CD54 ⁺ , CD95 ⁺ , CD276 ⁺ , CD133 ^{low} , CD66acde ^{weak} , IDO ⁺ , cFLIP ⁺ , MHC-I ⁺ , MHCII ^{weak} after IFN- γ treatment, EpCAM ⁺	CA19-9 ⁻ , CEA ^{high} , IL-8, IL-10 ⁻ , IL-6 ⁻ , TGF- β ⁻ , TGF- α ⁻ , MLH1 ⁻ , CDKN2A ⁺ , NEUROG1 ⁺ , CRABP1 ⁺ , CACNA1G ⁺ , MGMT ⁻ , IGF2 ⁺ , SOCS2 ⁻ , RUNX3 ⁺	APC ^{R1450*} , p53 ^{R280W} , K-Ras ^{G12d} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN	RRID:CVCL_X910	300809
HROC183 T0 M2	Colorectal adenocarcinoma cell line	CD326 ⁺ , CD44 ⁺ , CD15 ⁺ , CD71 ⁺ , CD73 ^{low} , CD274 ⁺ , CD47 ⁺ , CD54 ⁺ , CD95 ⁺ , CD276 ⁺ , CD133 ^{low} , CD66acde ^{weak} , IDO ⁺ , cFLIP ⁺ , MHC-I ⁺ , MHCII ^{weak} after IFN- γ treatment, EpCAM ⁺	CA19-9 ⁻ , CEA ^{high} , IL-8, IL-10 ⁻ , IL-6 ⁻ , TGF- β ⁻ , TGF- α ⁻ , MLH1 ⁻ , CDKN2A ⁺ , NEUROG1 ⁺ , CRABP1 ⁺ , CACNA1G ⁺ , MGMT ⁻ , IGF2 ⁺ , SOCS2 ⁻ , RUNX3 ⁺	APC ^{R1450*} , p53 ^{R280W} , K-Ras ^{G12d} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN	RRID:CVCL_X913	300810
HROC212	Colorectal adenocarcinoma cell line			K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{mut}	PTEN	RRID:CVCL_X914	300811
HROC24 ^{20,21,22,23,24,25}	Colorectal adenocarcinoma cell line	CD15 ⁺ , CD44 ⁺ , CD58 ⁺ , CEACAM ⁺ CD71 ⁺ , EpCAM ⁺ , MHC II ⁺ (after interferon treatment); Her2/neu ⁺ , EGFR ⁺		APC ^{mut} , p53 ^{wt} , K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , B-RAF ^{V600E} , PIK3CA ^{wt}	High level phosphatidylserin (PS) expression, β -actin, osteopontin, PTEN	RRID:CVCL_X915	300812
HROC24 T1 M1 ^{10, 25,26}	Colorectal adenocarcinoma cell line	CD15 ⁺ , CD44 ⁺ , CD58 ⁺ , CEACAM ⁺ CD71 ⁺ , EpCAM ⁺ , MHC II ⁺ (after interferon treatment); Her2/neu ⁺ , EGFR ⁺		APC ^{mut} , p53 ^{wt} , K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , B-RAF ^{V600E} , PIK3CA ^{wt}		RRID:CVCL_0019	300813
HROC257	Colorectal adenocarcinoma cell line			K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{mut}	PTEN	RRID:CVCL_4569	300814
HROC257 T0 M1	Colorectal adenocarcinoma cell line			K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{mut}	PTEN	RRID:CVCL_0530	300815

Name of cell line	Cell type	Cell Marker	Tumor antigens	Mutations	Secretion of Products	Ref ID in Cellosaurus ²⁹	CLS order no.
HROC277 T0 M1	Colorectal adenocarcinoma cell line			k-Ras ^{G12A} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN	RRID:CVCL_0633	300834
HROC277Met2	Colorectal adenocarcinoma cell line			K-Ras ^{mut} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN	RRID:CVCL_0020	300848
HROC277Met2 T0 M1	Colorectal adenocarcinoma cell line					RRID:CVCL_S471	300840
HROC278Met T2 M2	Colorectal adenocarcinoma cell line			B-RAF ^{V600E} APC ^{wt} , p53 ^{wt} , K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt}	PTEN	RRID:CVCL_0022	300836
HROC278 T0 M1	Colorectal adenocarcinoma cell line			B-RAF ^{V600E} APC ^{wt} , p53 ^{wt} , K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt}	PTEN	RRID:CVCL_0021	300835
HROC284Met	Colorectal adenocarcinoma cell line			K-Ras ^{mut} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN	RRID:CVCL_1U91	300816
HROC285 T0 M2	Colorectal adenocarcinoma cell line			K-Ras ^{mut} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{mut} , B-Raf ^{wt}	PTEN	RRID:CVCL_1U92	300817
HROC285Met	Colorectal adenocarcinoma cell line						
HROC296	Colorectal adenocarcinoma cell line	CD326+				RRID:CVCL_1V02	300853
HROC309	Colorectal adenocarcinoma cell line					RRID:CVCL_1U95	300837
HROC313Met	Colorectal adenocarcinoma cell line			K-Ras ^{mut} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN	RRID:CVCL_1U98	300849

Name of cell line	Cell type	Cell Marker	Tumor antigens	Mutations	Secretion of Products	Ref ID i29Cellosaurus ²⁹	CLS order no.
HROC32 ^{20,21,25}	Colorectal adenocarcinoma cell line	CD15 ⁺ , CD24 ⁺ , CD44 ⁺ , CD55 ⁺ , CD58 ⁺ , CD50 ⁺ , CD 54 ⁺ , CD66acde ⁺ , CD71 ⁺ , CD102 ⁺ , CD326 ⁺ , CD80 ⁻ , CD86 ⁻ , EpCAM ⁺ , HLA-A2 ⁺ , MHC I ⁺ , MHC II ⁺ (IFN- γ pretreated); Her2/neu ⁺ ,	CA19-g ^{low} , CEA ^{high} , IL-8, IL-10 ⁻	APC ^{wt} , p53 ^{R282W} , K-Ras ^{G12A} , N-Ras ^{wt} , H-Ras ^{wt} SNP rs12628 at codon 27, PIK3CA st , B-Raf ^{wt}	CIN ^{pos} , PTEN	RRID:CVCL_1D06	300818
HROC32 T3 M1 ^{20,21,25}	Colorectal adenocarcinoma cell line	CD15 ⁺ , CD24 ⁺ , CD44 ⁺ , CD55 ⁺ , CD58 ⁺ , CD50 ⁺ , CD 54 ⁺ , CD66acde ⁺ , CD71 ⁺ , CD102 ⁺ , CD326 ⁺ , CD80 ⁻ , CD86 ⁻ , EpCAM ⁺ , HLA-A2 ⁺ , MHC I ⁺ , MHC II ⁺ (IFN- γ pretreated); Her2/neu ⁺ ,	CA19-g ^{low} , CEA ^{high} , IL-8, IL-10 ⁻	APC ^{wt} , p53 ^{R282W} , K-Ras ^{G12A} , N-Ras ^{wt} , H-Ras ^{wt} SNP rs12628 at codon 27, PIK3CA st , B-Raf ^{wt}	PTEN	RRID:CVCL_1D07	300819
HROC324 ⁹	Colorectal adenocarcinoma cell line			k-Ras ^{A59T} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN	RRID:CVCL_1V00	300383
HROC334 ⁹	Colorectal adenocarcinoma cell line			K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN	RRID:CVCL_1D18	300850
HROC357 ⁹	Colorectal adenocarcinoma cell line					RRID:CVCL_AP61	300851
HROC364 ⁹	Colorectal adenocarcinoma cell line					RRID:CVCL_AP62	300855
HROC374 ⁹	Colorectal adenocarcinoma cell line						300852

Name of cell line	Cell type	Cell Marker	Tumor antigens	Mutations	Secretion of Products	Ref ID in Cellosaurus ²⁹	CLS order no.
HROC39 ^{21,23, 25, 27}	Colorectal adenocarcinoma cell line	Her2/neu ⁺ , EGFR ⁺		APC ^{mut} , K-Ras ^{A146T} , N-Ras wt, H-Ras ^{wt} SNP rs12628 at codon 27, B-Raf ^{wt} , p53 ^{wt} , PIK3CA ^{wt}	PTEN	RRID:CVCL_1U81	300820
HROC39 T0 M2 ^{21,23, 25, 27}	Colorectal adenocarcinoma cell line	Her2/neu ⁺ , EGFR ⁺		APC ^{mut} , K-Ras ^{A146T} , N-Ras wt, H-Ras ^{wt} SNP rs12628 at codon 27, B-Raf ^{wt} , p53 ^{wt} , PIK3CA ^{wt}	PTEN	RRID:CVCL_1U82	300821
HROC40 ^{9, 21, 22}	Colorectal adenocarcinoma cell line	CD326 ⁺ , CD44 ⁺ , CD15 ⁺ , CD71 ⁺ , CD73 ⁺ , CD274 ⁺ , CD47 ⁺ , CD54 ⁺ , CD95 ⁺ , CD276 ⁺ , CD133 ⁻ , CD66acde ^{weak} , IDO ⁺ , cFLIP ⁺ , MHC-I ⁺ , MHCII ^{weak} after IFN- γ treatment, EpCAM ⁺	MLH1 ⁻ , CDKN2A ⁺ , NEUROG1 ⁺ , CRABP1 ⁺ , CACNA1G ⁻ , MGMT ⁻ , IGF2 ⁻ , SOCS2 ⁻ , RUNX3 ⁻ CA19-9 ^{high} , CEA ^{high} , IL-8, IL-10 ⁻ , IL-6 ⁻ , TGF- β ⁻ , TGF- α ⁻	p53 ^{G266e} , APC ^{wt} , K-Ras ^{G13D} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	β -actin, osteopontin ^{low} , Toll-like receptor (TLR) ₃ ^{moderate} , TLR4 ^{moderate} , TLR7 ^{low} , TLR8 ⁻ , PTEN, Intermediate level phosphatidylserin (PS) expression	RRID:CVCL_1G01	300822
HROC43 ^{21, 27,28}	Colorectal adenocarcinoma cell line	CD326 ⁺ , CD44 ⁺ , CD15 ⁺ , CD71 ⁺ , CD73 ⁺ , CD274 ⁺ , CD47 ⁺ , CD54 ⁺ , CD95 ⁺ , CD276 ⁺ , CD133 ⁻ , CD66acde ^{weak} , IDO ⁺ , cFLIP ⁺ , MHC-I ⁺ , MHCII ^{weak} after IFN- γ treatment, EpCAM ⁺	MLH1 ⁻ , CDKN2A ⁺ , NEUROG1 ⁺ , CRABP1 ⁺ , CACNA1G ⁻ , MGMT ⁻ , IGF2 ⁻ , SOCS2 ⁻ , RUNX3 ⁺ CA19-9 ^{high} , CEA ^{high} , IL-8, IL-10 ⁻ , IL-6 ⁻ , TGF- β ⁻ , TGF- α ⁻	APC ^{Q1429*} , p53 ^{S241fs*5} , K-Ras ^{mut} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN	RRID:CVCL_1D20	300823
HROC46 T0 M1 ^{25,27}	Colorectal adenocarcinoma cell line	CD274 ⁺ , CD197 ⁺ , EpCAM ⁺ , CD40 ⁺ , CD253 ⁺ , CD56 ⁺ , CD44 ⁺ , CD66acde ⁺ , CD50 ⁻ , CD58 ⁻ , CD178 ⁻ , CD86 ⁻		APC ^{mut} , K-Ras ^{G12V} , N-Ras ^{wt} , H-Ras ^{wt} , p53 ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN	RRID:CVCL_1D21	300824
HROC50 T1 M5 ⁹	Colorectal adenocarcinoma cell line			APC ^{wt} , K-Ras ^{wt} , p53 ^{mut} , B-Raf ^{mut}		RRID:CVCL_1G02	300839

Name of cell line	Cell type	Cell Marker	Tumor antigens	Mutations	Secretion of Products	Ref ID in Cellosaurus ²⁹	CLS order no.
HROC57 ²⁷	Colorectal adenocarcinoma cell line			B-RAF ^{V600E} , K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt}	PTEN	RRID:CVCL_1G03	300825
HROC59 T1 M1 ²⁷	Colorectal adenocarcinoma cell line	CD326 ⁺ , MHC-I ⁺		K-Ras ^{K117N} (rare mutation), p53 ^{wt} , APC ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt} , B-Raf ^{wt}	PTEN ⁻	RRID:CVCL_1G04	300826
HROC60 ^{21,23, 25, 27}	Colorectal adenocarcinoma cell line	Her2/neu ⁺ , EGFR ⁺ , CD326 ⁺ , CD44 ⁺ , CD54 ⁺ , CD47 ⁺ , CD71 ⁺ , CD15 ⁻ , CD73 ⁺ , CD95 ⁺ , CD274 ⁺ , CD133 ^{low} , CD276 ⁺ , IDO ^{weak} , MHC-I ⁺ , CD133 ^{weak} , CD66acde ^{weak} , EpCAM ⁺ , MHCII ⁺ after IFN- γ treatment, cFLIP ^{weak}	β -actin, osteopontin, Toll-like receptor (TLR) 3 ^{moderate} , TLR4 ^{moderate} , TLR7 ^{low} , TLR8 ⁻ , CA19-9 ⁻ , CEA ^{high} , IL-8, IL-10 ⁻ , IL-6 ⁻ , TGF- β ⁻ , TGF- α ⁻	APC ^{Q1477*} , p53 ^{R273H} , K-Ras ^{A59G} , B-RAF ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt}	PTEN, Low level phosphatidylserin (PS) expression	RRID:CVCL_1G05	300827
HROC69 ^{21,23, 25, 27}	Colorectal adenocarcinoma cell line			APC ^{R1450*} , p53 ^{R306*} , K-Ras ^{wt} , B-RAF ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , SNP rs12628 codon 27, PIK3CA ^{wt}	β -actin, osteopontin ⁻ , Toll-like receptor (TLR) 3 ⁻ , TLR4 ^{moderate} , TLR7 ^{low} , TLR8 ⁻ , PTEN, High level phosphatidylserin (PS) expression	RRID:CVCL_1G06	300828
HROC69 T0 M2 ^{21,23, 25, 27}	Colorectal adenocarcinoma cell line			APC ^{R1450*} , p53 ^{R306*} , K-Ras ^{wt} , B-RAF ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , SNP rs12628 codon 27, PIK3CA ^{wt}	β -actin, osteopontin ⁻ , Toll-like receptor (TLR) 3 ⁻ , TLR4 ^{moderate} , TLR7 ^{low} , TLR8 ⁻ , PTEN, High level phosphatidylserin (PS) expression	RRID:CVCL_1G07	300829
HROC80 T1 M1 ^{25,27}	Colorectal adenocarcinoma cell line			APC ^{wt} , K-Ras ^{G12V} , p53 ^{R306} , B-RAF ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt}	PTEN	RRID:CVCL_1G08	300830

Name of cell line	Cell type	Cell Marker	Tumor antigens	Mutations	Secretion of Products	Ref ID in Cellosaurus ²⁹	CLS order no.
HROC87 T0 M2 ^{22,25,26}	Colorectal adenocarcinoma cell line	CD15 ⁺ , CD44 ⁺ , CD55 ⁺ , CD58 ⁺ , CEACAM ⁺ , CD71 ⁺ , CD80 ⁺ , EpCAM ⁺ , MHC II ⁺ IFN- γ		p53 ^{mut} , B-RAF ^{V600E} , APC ^{wt} , K-Ras ^{wt} , N-Ras ^{wt} , H-Ras ^{wt} , PIK3CA ^{wt}	PTEN	RRID:CVCL_S854	300215
HT-29 ⁶	Colon carcinoma cell line	Blood Type A; Rh+; HLA A1, A3, B12, B17, Cw5, CD4 ⁻ ; cell surface expression of galactose ceramide (a possible alternative receptor for HIV).	myc+; ras+; myb+; fos+; sis+; p53+; abl ⁻ ; ros ⁻ ; src ⁻ ,	CEA neg, p53 pos, K-Ras ^{wt}	Me-2, 1; PGM3, 1-2; PGM1, 1-2; ES-D, 1; AK-1, 1; GLO-1, 1-2; G6PD, B; Phenotype Frequency Product: 0.0230, urokinase receptor(u-PAR); vitamin D (moderate expression); no detectable plasminogen activator activity.	RRID:CVCL_0320	300218
HuTu-80 ⁶	Colon carcinoma cell line	Blood Type B; Rh+ bombesin		K-Ras ^{wt}	PGM3, 1-2; PGM1, 1-2; ES-D, 1; Me-2, 2; AK-1, 1; GLO-1, 2; G6PD, B; Phenotype Frequency Product: 0.0017	RRID:CVCL_1301	300266
LoVo ⁶	Colon carcinoma cell line	HLA A11, B15, B17, Cw1, Cw3; blood type B	myc +; myb +; ras +; fos +; p53 +; sis ⁻ ; abl ⁻ ; ros ⁻ ; src ⁻	LOVO cells carry a mutation in codon 13 of Kras gene: GGC(Wt Gly) >GAC(Asp),	G6PD, B; PGM1, 2; PGM3, 1-2; 6PGD, A; ES-D, 1, carcinoembryonic antigen (CEA) 908 ng/10 ⁶ cells/10 days	RRID:CVCL_0399	300392
LS-174T ⁶	Colon carcinoma cell line		myc +; myb +; ras +; fos +; p53 +; sis ⁻ ; abl ⁻ ; ros ⁻ ; src ⁻	LS-174T cells carry a mutation in codon 12 of Kras gene: GGT(Wt Gly) >GAT(Asp),	ADA, 1; G6PD, B; PGM1, 1; PGM3, 2; PGD, A; ES-D, 1; PEP-D, 1	RRID:CVCL_1384	300457
LS-513 ⁶	Colon carcinoma cell line	Carcinoembryonic antigen (CEA); ICAM-1; HLA class I positive	CEA+ (50%), p53+	p53 wt	Transforming growth factor beta 1 (TGF beta-1, 83 pg per 10 exp6 cells per 24 hours)	RRID:CVCL_1386	300348

Name of cell line	Cell type	Cell Marker	Tumor antigens	Mutations	Secretion of Products	Ref ID in Cellosaurus ²⁹	CLS order no.
SW-1116 ⁶	Colon carcinoma cell line		CEA +, myc +; myb +; ras +; fos +; sis +; p53 +; abl -; ros -; src -	mutation in codon 12 of Kras gene: GGT(Wt Gly) >GCT(Ala)	Blood type O; Rh+ G6PD, B; PGM1, 1; PGM3, 1-2; 6PGD, A; ES-D, 1; PEP-D, 1 carcinoembryonic antigen (CEA) 2654 ng/10 ⁶ cells/10 days; keratin	RRID:CVCL_0544	300350
SW-403 ⁷	Colon carcinoma cell line	Colon antigen 3, positive. The cells are positive for keratin by immunoperoxidase staining. CSAp negative (CSAp-).		heterozygot mutation in codon 12 of Kras gene: GGT(Wt Gly) >GTT(Val)	blood type O, G6PD, B; PGM1, 1; PGM3, 1-2; 6PGD, A; ES-D, 1; PEP-D, 1 carcinoembryonic antigen (CEA) 155 ng/10 exp6 cells/10 days; keratin	RRID:CVCL_0545	300302
SW-480 ⁸	Colon carcinoma cell line	HLA A2, B8, B17; blood type A; Rh+. The line is negative for CSAp (CSAp-) and colon antigen 3.	myc +; myb +; ras +; fos +; sis +; p53 +; abl -; ros -; src -; N-myc -.	homozygous Kras mutation in codon 12: GGT(Wt Gly) >GTT(Val). There is a G->A mutation in codon 273 of the p53 gene resulting in an Arg->His substitution and a C->T mutation in codon 309 resulting in a Pro->Ser substitution	Epidermal growth factor (EGF); keratin (immunoperoxidase staining). Matrilysin, a metalloproteinase associated with tumor invasiveness, is not expressed. G6PD, B; PGM1, 2; PGM3, 1; 6PGD, A; PEP-D, 1; ES-D, 1 Carcinoembryonic antigen (CEA) 0.7 ng/10 ⁶ cells/10 days; keratin; transforming growth factor beta	RRID:CVCL_0546	300466
SW-620 ⁹	Colon carcinoma cell line					RRID:CVCL_0547	300347

Name of cell line	Cell type	Cell Marker	Tumor antigens	Mutations	Secretion of Products	Ref ID in Cellosaurus ²⁹	CLS order no.
SW-948 ¹⁰	Colon carcinoma cell line		The line is positive for expression of c-myc, K-ras, H-ras, N-ras, myb and fos oncogenes. N-myc and sis expression were not detected.	heterozygous Kras mutation in codon 61: CAA(Wt Gln) >CTA(Leu)	blood type O; Rh+ G6PD, B; PGM1, 1-2; PGM3, 1-2; 6PGD, A; PEP-D, 1; ES-D, 1 Carcinoembryonic antigen (CEA) 7 ng/10 ⁶ cells/10 days; colon specific antigen (CSAp) 750 units in 0.5 ml cell sonicate; keratin	RRID:CVCL_0632	300354
T84 ¹¹	Colon carcinoma cell line			heterozygous Kras mutation in codon13: GGC(Wt Gly) >GAC(Asp)	G6PD, B; PGM1, 1; PGM3, 1; ES-D, 1; Me-2, 1-2; AK-1, 1; GLO-1, 1-2 Peptide hormone; neurotransmitter Carcinoembryonic antigen (CEA), 600 ng/ml per 10 exp6 cells per 10 days; keratin	RRID:CVCL_0555	300377
WiDr ¹²	Colon carcinoma cell line	HLA A24, A32, B15, B18	CEA positive	K-Ras ^{wt}	PGM1, 1-2; PGM3, 1-2; G6PD, B; ES-D, 1; PEP-D, 1; 6PGD, A epidermal growth factor (EGF) carcinoembryonic antigen (CEA) 118 ng/10 ⁶ cells/10 days; Colon Specific Antigen (CSAp); transforming growth factor beta; keratin	RRID:CVCL_2760	300215

Information on cell culture conditions, authentication data and others can be found on the website: www.clsgmbh.de

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29. <http://web.expasy.org/cellosaurus/> - the cellosaurus represents a detailed data collection bank of a plethora of cell line relevant data from various cell banks.

Definitions:

HROCxx: Cell line established from the primary tumor

HROCxxMet: Cell line established from a metastasis of the site of the primary tumor

HROCxx Tx My: Cell line established from the PDX (transplant in Mice)

All of the products listed in Table 1/Table 2 are intended for research use only, not for use in human, therapeutic or diagnostic applications.

The General Terms and Conditions of Supply of CLS Cell Lines Service GmbH are valid. According to the Terms, the products are not intended to be resold and/or modified for resale.

Licensing information

All cell lines as listed in table1 above, with few exceptions, are available for licensing non-exclusively for commercial purposes. Their usage in order to provide commercial services or to manufacture commercial products is prohibited unless approved in writing by CLS.

Please contact Dagmar Lojewski at licensing@clsgmbh.de for further information.

The following cell lines are available **For Research Use** only:

Caco-2; HT-29.

Please contact service@clsgmbh.de if you have further questions or concerns.