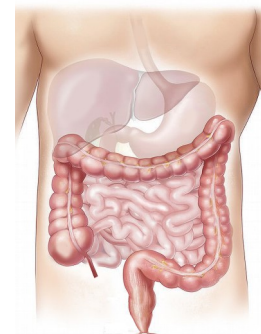


Colorectal Cell Lines

Colon cancer, also known as colorectal or large bowel cancer is the third most common cancer in the Western world (preceded only by breast and lung cancer by numbers of incidence). There are over 60 cell lines derived from colorectal cancers available from ECACC.

The colorectal cell lines listed are derived from tumours at various levels of differentiation and stages of development. One of the relatively recent additions to the colorectal collection is the human colon cancer cell line, HCA-7 Colony 29, which expresses Cox-2. An interesting feature of this cell line is that it forms polarised epithelial sheets allowing examination of the trafficking and release of biomolecules *in vitro*.



Cyclooxygenases (COXs) are key enzymes in the conversion of arachidonic acid to prostaglandins and other eicosanoids. It has been found that colonic polyps and cancers overexpress Cox-2 and that the inhibition of this enzyme by nonsteroidal anti-inflammatory drugs decreases the risk of colonic neoplasia. The cell line HCA-7 Colony 29 is useful for studying the role of Cox-2 in cancer cell biology and the investigation of colorectal epithelial cell polarity.

Colorectal cell lines available from the ECACC General Cell Collection:

Catalogue No.	Cell Line Name	Keywords
12022901	C10	Human colorectal adenocarcinoma, moderately well differentiated, Dukes' stage B
12022906	C106	Human colorectal adenocarcinoma, moderately well differentiated, Dukes' stage A
12022909	C125PM	Human colorectal adenocarcinoma
12022908	C32 (colon)	Human colorectal adenocarcinoma, well differentiated, Dukes' stage C
12022903	C70	Human colorectal adenocarcinoma, moderately well differentiated, Dukes' stage B
12022907	C75	Human colorectal adenocarcinoma, moderately well differentiated, Dukes' stage D
12022904	C80	Human colorectal adenocarcinoma, moderately well differentiated, Dukes' stage D
12022902	C84	Human colorectal adenocarcinoma, poorly differentiated, Dukes' stage C
12022905	C99	Human colorectal adenocarcinoma, moderately well differentiated, Dukes' stage C
86010202	CACO-2	Human Caucasian colon adenocarcinoma
86010202	CACO-2	Human Caucasian colon adenocarcinoma
89111413	CMT 93	Mouse rectum carcinoma
86082106	CMT93/69	Mouse C57BL/ICRF rectum carcinoma
87091201	COLO 201	Human Caucasian colon adenocarcinoma
87061208	COLO 205	Human Caucasian colon adenocarcinoma
93052620	COLO 206F	Human colon carcinoma
93051118	COLO 320 DMF	Human colon carcinoma
87061205	COLO 320DM	Human Caucasian colon adenocarcinoma
87101501	COLO 320HSR	Human Caucasian colon adenocarcinoma
93052621	COLO 741	Human colon carcinoma
90062901	DHD/K12/TRb	Rat colonic carcinoma
90102540	DLD-1	Human colon adenocarcinoma
95090714	GP2d	Human Caucasian colon adenocarcinoma
95090715	GP5d	Human Caucasian colon adenocarcinoma
06061901	HCA-2	Human sigmoid colon adenocarcinoma
06061903	HCA-24	Human colon adenocarcinoma
07031601	HCA-46	Human colon adenocarcinoma
06061902	HCA-7	Human colon adenocarcinoma

W: www.phe-culturecollections.org.uk/ecacc

E: culturecollections.BusinessE@phe.gov.uk

T: +44 (0)1980 612 947

09071501	HCA-7 Colony 1	Human colorectal adenocarcinoma
09071506	HCA-7 Colony 11	Human colorectal adenocarcinoma
09071509	HCA-7 Colony 24	Human colorectal adenocarcinoma
09071511	HCA-7 Colony 26	Human colorectal adenocarcinoma
09071513	HCA-7 Colony 27	Human colorectal adenocarcinoma
02091238	HCA-7 Colony 29	Human Colon Carcinoma (subpopulation isolated from the HCA-7 cell line)
09071502	HCA-7 Colony 3	Human colorectal adenocarcinoma
09071516	HCA-7 Colony 30	Human colorectal adenocarcinoma
09071504	HCA-7 Colony 6	Human colorectal adenocarcinoma
91091005	HCT 116	Human colon carcinoma
91030712	HCT-15	Human colon adenocarcinoma
06061905	HRA-16	Human rectal adenocarcinoma
09071520	HRA-19a1.1 Alpha 2F	Human colorectal adenocarcinoma
09071522	HRA-19a1.1 Alpha2 B	Human colorectal adenocarcinoma
09071524	HRA-19a1.1 Alpha2Alpha1 B	Human colorectal adenocarcinoma
09071527	HRA-19a1.1 Alpha2Alpha1 E	Human colorectal adenocarcinoma
86040306	HRT-18	Human rectum adenocarcinoma
85061104	HT115	Human colon carcinoma
91072201	HT29	Human Caucasian colon adenocarcinoma
92012401	HT29 gluc C1	Human Caucasian colon adenocarcinoma
85061109	HT29/219	Human Caucasian colon carcinoma
85061109	HT29/219	Human Caucasian colon carcinoma
85061105	HT55	Human colon carcinoma
85061105	HT55	Human colon carcinoma
87060101	LoVo	Human colon adenocarcinoma
87060101	LoVo	Human colon adenocarcinoma
94120801	LS 123	Human colon adenocarcinoma
87060401	LS174T	Human Caucasian colon adenocarcinoma
87021202	LS180	Human Caucasian colon adenocarcinoma
87021202	LS180	Human Caucasian colon adenocarcinoma
99011801	MDST8	Human colon carcinoma
87071006	SW 1116	Human Caucasian colon adenocarcinoma
90102543	SW 1417	Human colon adenocarcinoma
90112713	SW 1463	Human Caucasian rectum adenocarcinoma
87071008	SW 403	Human Caucasian colon adenocarcinoma
89012702	SW 48	Human colon adenocarcinoma
87092801	SW 480	Human colon adenocarcinoma
87051203	SW 620	Human Caucasian colon adenocarcinoma
87051203	SW 620	Human Caucasian colon adenocarcinoma
91031104	SW 837	Human Caucasian rectum adenocarcinoma
91030714	SW 948	Human Caucasian colon adenocarcinoma
88021101	T84	Human colon carcinoma
91011802	WB2054M	Rat colon carcinoma
85111501	WiDr	Human colon adenocarcinoma
85111501	WiDr	Human colon adenocarcinoma

W: www.phe-culturecollections.org.uk/ecacc

E: culturecollections.BusinessE@phe.gov.uk

T: +44 (0)1980 612 947