

Product sheet

HROG24 | 300876

Cell line

Description	Human glioblastoma cell line (PD Dr. Michael Linnebacher)
Organism	Human
Tissue	Brain, Glioma
Disease	Glioblastoma (WHO IV)

Cell line characteristics

Age	73 years
Gender	Male
Ethnicity	German
Growth properties	Adherent

Cell line identification

Citation	HROG24 (Cytion 300876)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_4U46

Cell line characterization

Antigen expression	CD24+, CD90+, GFAP+, S-100+
Mutational profile	TP53, R273C. MGMT CN=1, PTEN 3 del / spliced

Cell line availability

HEK293T | 300876

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 2.5 mM L- $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 15 mM HEPES, w: 0.5 mM $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$, w: 1.2 g/L NaHCO_3 820400a)

Supplements $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ 10% FBS

Dissociation Reagent $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$

Doubling time 70 h

Subculturing HEK293T cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are then seeded into T25 flasks at a density of 1×10^4 cells per flask. Cells are grown to confluence and then passaged into 150 cm² flasks at a density of 1×10^6 cells per flask. Cells are grown to confluence and then passaged into 285 cm² flasks at a density of 1×10^7 cells per flask. Cells are grown to confluence and then passaged into 500 cm² flasks at a density of 1×10^8 cells per flask. Cells are grown to confluence and then passaged into 1000 cm² flasks at a density of 1×10^9 cells per flask. Cells are grown to confluence and then passaged into 2000 cm² flasks at a density of 1×10^{10} cells per flask. Cells are grown to confluence and then passaged into 4000 cm² flasks at a density of 1×10^{11} cells per flask. Cells are grown to confluence and then passaged into 8000 cm² flasks at a density of 1×10^{12} cells per flask. Cells are grown to confluence and then passaged into 16000 cm² flasks at a density of 1×10^{13} cells per flask. Cells are grown to confluence and then passaged into 32000 cm² flasks at a density of 1×10^{14} cells per flask. Cells are grown to confluence and then passaged into 64000 cm² flasks at a density of 1×10^{15} cells per flask. Cells are grown to confluence and then passaged into 128000 cm² flasks at a density of 1×10^{16} cells per flask. Cells are grown to confluence and then passaged into 256000 cm² flasks at a density of 1×10^{17} cells per flask. Cells are grown to confluence and then passaged into 512000 cm² flasks at a density of 1×10^{18} cells per flask. Cells are grown to confluence and then passaged into 1024000 cm² flasks at a density of 1×10^{19} cells per flask. Cells are grown to confluence and then passaged into 2048000 cm² flasks at a density of 1×10^{20} cells per flask. Cells are grown to confluence and then passaged into 4096000 cm² flasks at a density of 1×10^{21} cells per flask. Cells are grown to confluence and then passaged into 8192000 cm² flasks at a density of 1×10^{22} cells per flask. Cells are grown to confluence and then passaged into 16384000 cm² flasks at a density of 1×10^{23} cells per flask. Cells are grown to confluence and then passaged into 32768000 cm² flasks at a density of 1×10^{24} cells per flask. Cells are grown to confluence and then passaged into 65536000 cm² flasks at a density of 1×10^{25} cells per flask. Cells are grown to confluence and then passaged into 131072000 cm² flasks at a density of 1×10^{26} cells per flask. Cells are grown to confluence and then passaged into 262144000 cm² flasks at a density of 1×10^{27} cells per flask. Cells are grown to confluence and then passaged into 524288000 cm² flasks at a density of 1×10^{28} cells per flask. Cells are grown to confluence and then passaged into 1048576000 cm² flasks at a density of 1×10^{29} cells per flask. Cells are grown to confluence and then passaged into 2097152000 cm² flasks at a density of 1×10^{30} cells per flask. Cells are grown to confluence and then passaged into 4194304000 cm² flasks at a density of 1×10^{31} cells per flask. Cells are grown to confluence and then passaged into 8388608000 cm² flasks at a density of 1×10^{32} cells per flask. Cells are grown to confluence and then passaged into 16777216000 cm² flasks at a density of 1×10^{33} cells per flask. Cells are grown to confluence and then passaged into 33554432000 cm² flasks at a density of 1×10^{34} cells per flask. Cells are grown to confluence and then passaged into 67108864000 cm² flasks at a density of 1×10^{35} cells per flask. Cells are grown to confluence and then passaged into 134217728000 cm² flasks at a density of 1×10^{36} cells per flask. Cells are grown to confluence and then passaged into 268435456000 cm² flasks at a density of 1×10^{37} cells per flask. Cells are grown to confluence and then passaged into 536870912000 cm² flasks at a density of 1×10^{38} cells per flask. Cells are grown to confluence and then passaged into 1073741824000 cm² flasks at a density of 1×10^{39} cells per flask. Cells are grown to confluence and then passaged into 2147483648000 cm² flasks at a density of 1×10^{40} cells per flask. Cells are grown to confluence and then passaged into 4294967296000 cm² flasks at a density of 1×10^{41} cells per flask. Cells are grown to confluence and then passaged into 8589934592000 cm² flasks at a density of 1×10^{42} cells per flask. Cells are grown to confluence and then passaged into 17179869184000 cm² flasks at a density of 1×10^{43} cells per flask. Cells are grown to confluence and then passaged into 34359738368000 cm² flasks at a density of 1×10^{44} cells per flask. Cells are grown to confluence and then passaged into 68719476736000 cm² flasks at a density of 1×10^{45} cells per flask. Cells are grown to confluence and then passaged into 137438953472000 cm² flasks at a density of 1×10^{46} cells per flask. Cells are grown to confluence and then passaged into 274877906944000 cm² flasks at a density of 1×10^{47} cells per flask. Cells are grown to confluence and then passaged into 549755813888000 cm² flasks at a density of 1×10^{48} cells per flask. Cells are grown to confluence and then passaged into 1099511627776000 cm² flasks at a density of 1×10^{49} cells per flask. Cells are grown to confluence and then passaged into 2199023255552000 cm² flasks at a density of 1×10^{50} cells per flask. Cells are grown to confluence and then passaged into 4398046511104000 cm² flasks at a density of 1×10^{51} cells per flask. Cells are grown to confluence and then passaged into 8796093022208000 cm² flasks at a density of 1×10^{52} cells per flask. Cells are grown to confluence and then passaged into 17592186044416000 cm² flasks at a density of 1×10^{53} cells per flask. Cells are grown to confluence and then passaged into 35184372088832000 cm² flasks at a density of 1×10^{54} cells per flask. Cells are grown to confluence and then passaged into 70368744177664000 cm² flasks at a density of 1×10^{55} cells per flask. Cells are grown to confluence and then passaged into 140737488355328000 cm² flasks at a density of 1×10^{56} cells per flask. Cells are grown to confluence and then passaged into 281474976710656000 cm² flasks at a density of 1×10^{57} cells per flask. Cells are grown to confluence and then passaged into 562949953421312000 cm² flasks at a density of 1×10^{58} cells per flask. Cells are grown to confluence and then passaged into 1125899906842624000 cm² flasks at a density of 1×10^{59} cells per flask. Cells are grown to confluence and then passaged into 2251799813685248000 cm² flasks at a density of 1×10^{60} cells per flask. Cells are grown to confluence and then passaged into 4503599627370496000 cm² flasks at a density of 1×10^{61} cells per flask. Cells are grown to confluence and then passaged into 9007199254740992000 cm² flasks at a density of 1×10^{62} cells per flask. Cells are grown to confluence and then passaged into 18014398509481984000 cm² flasks at a density of 1×10^{63} cells per flask. Cells are grown to confluence and then passaged into 36028797018963968000 cm² flasks at a density of 1×10^{64} cells per flask. Cells are grown to confluence and then passaged into 72057594037927936000 cm² flasks at a density of 1×10^{65} cells per flask. Cells are grown to confluence and then passaged into 144115188075855872000 cm² flasks at a density of 1×10^{66} cells per flask. Cells are grown to confluence and then passaged into 288230376151711744000 cm² flasks at a density of 1×10^{67} cells per flask. Cells are grown to confluence and then passaged into 576460752303423488000 cm² flasks at a density of 1×10^{68} cells per flask. Cells are grown to confluence and then passaged into 1152921504606846976000 cm² flasks at a density of 1×10^{69} cells per flask. Cells are grown to confluence and then passaged into 2305843009213693952000 cm² flasks at a density of 1×10^{70} cells per flask. Cells are grown to confluence and then passaged into 4611686018427387904000 cm² flasks at a density of 1×10^{71} cells per flask. Cells are grown to confluence and then passaged into 9223372036854775808000 cm² flasks at a density of 1×10^{72} cells per flask. Cells are grown to confluence and then passaged into 18446744073709551616000 cm² flasks at a density of 1×10^{73} cells per flask. Cells are grown to confluence and then passaged into 36893488147419103232000 cm² flasks at a density of 1×10^{74} cells per flask. Cells are grown to confluence and then passaged into 73786976294838206464000 cm² flasks at a density of 1×10^{75} cells per flask. Cells are grown to confluence and then passaged into 147573952589676412928000 cm² flasks at a density of 1×10^{76} cells per flask. Cells are grown to confluence and then passaged into 295147905179352825856000 cm² flasks at a density of 1×10^{77} cells per flask. Cells are grown to confluence and then passaged into 590295810358705651712000 cm² flasks at a density of 1×10^{78} cells per flask. Cells are grown to confluence and then passaged into 1180591620717411303424000 cm² flasks at a density of 1×10^{79} cells per flask. Cells are grown to confluence and then passaged into 2361183241434822606848000 cm² flasks at a density of 1×10^{80} cells per flask. Cells are grown to confluence and then passaged into 4722366482869645213696000 cm² flasks at a density of 1×10^{81} cells per flask. Cells are grown to confluence and then passaged into 9444732965739290427392000 cm² flasks at a density of 1×10^{82} cells per flask. Cells are grown to confluence and then passaged into 18889465931478580854784000 cm² flasks at a density of 1×10^{83} cells per flask. Cells are grown to confluence and then passaged into 37778931862957161709568000 cm² flasks at a density of 1×10^{84} cells per flask. Cells are grown to confluence and then passaged into 75557863725914323419136000 cm² flasks at a density of 1×10^{85} cells per flask. Cells are grown to confluence and then passaged into 151115727451828646838272000 cm² flasks at a density of 1×10^{86} cells per flask. Cells are grown to confluence and then passaged into 302231454903657293676544000 cm² flasks at a density of 1×10^{87} cells per flask. Cells are grown to confluence and then passaged into 604462909807314587353088000 cm² flasks at a density of 1×10^{88} cells per flask. Cells are grown to confluence and then passaged into 1208925819614629174706176000 cm² flasks at a density of 1×10^{89} cells per flask. Cells are grown to confluence and then passaged into 2417851639229258349412352000 cm² flasks at a density of 1×10^{90} cells per flask. Cells are grown to confluence and then passaged into 4835703278458516698824704000 cm² flasks at a density of 1×10^{91} cells per flask. Cells are grown to confluence and then passaged into 9671406556917033397649408000 cm² flasks at a density of 1×10^{92} cells per flask. Cells are grown to confluence and then passaged into 19342813113834066795298816000 cm² flasks at a density of 1×10^{93} cells per flask. Cells are grown to confluence and then passaged into 38685626227668133590597632000 cm² flasks at a density of 1×10^{94} cells per flask. Cells are grown to confluence and then passaged into 77371252455336267181195264000 cm² flasks at a density of 1×10^{95} cells per flask. Cells are grown to confluence and then passaged into 154742504910672534362390528000 cm² flasks at a density of 1×10^{96} cells per flask. Cells are grown to confluence and then passaged into 309485009821345068724781056000 cm² flasks at a density of 1×10^{97} cells per flask. Cells are grown to confluence and then passaged into 618970019642690137449562112000 cm² flasks at a density of 1×10^{98} cells per flask. Cells are grown to confluence and then passaged into 1237940039285380274899124224000 cm² flasks at a density of 1×10^{99} cells per flask. Cells are grown to confluence and then passaged into 2475880078570760549798248448000 cm² flasks at a density of 1×10^{100} cells per flask. Cells are grown to confluence and then passaged into 4951760157141521099596496896000 cm² flasks at a density of 1×10^{101} cells per flask. Cells are grown to confluence and then passaged into 9903520314283042199192993792000 cm² flasks at a density of 1×10^{102} cells per flask. Cells are grown to confluence and then passaged into 19807040628566084398385987584000 cm² flasks at a density of 1×10^{103} cells per flask. Cells are grown to confluence and then passaged into 39614081257132168796771975168000 cm² flasks at a density of 1×10^{104} cells per flask. Cells are grown to confluence and then passaged into 79228162514264337593543950336000 cm² flasks at a density of 1×10^{105} cells per flask. Cells are grown to confluence and then passaged into 158456325028528675187087900672000 cm² flasks at a density of 1×10^{106} cells per flask. Cells are grown to confluence and then passaged into 316912650057057350374175801344000 cm² flasks at a density of 1×10^{107} cells per flask. Cells are grown to confluence and then passaged into 633825300114114700748351602688000 cm² flasks at a density of 1×10^{108} cells per flask. Cells are grown to confluence and then passaged into 1267650600228229401496703205376000 cm² flasks at a density of 1×10^{109} cells per flask. Cells are grown to confluence and then passaged into 2535301200456458802993406410752000 cm² flasks at a density of 1×10^{110} cells per flask. Cells are grown to confluence and then passaged into 5070602400912917605986812821504000 cm² flasks at a density of 1×10^{111} cells per flask. Cells are grown to confluence and then passaged into 10141204801825835211973625643008000 cm² flasks at a density of 1×10^{112} cells per flask. Cells are grown to confluence and then passaged into 20282409603651670423947251286016000 cm² flasks at a density of 1×10^{113} cells per flask. Cells are grown to confluence and then passaged into 40564819207303340847894502572032000 cm² flasks at a density of 1×10^{114} cells per flask. Cells are grown to confluence and then passaged into 81129638414606681695789005144064000 cm² flasks at a density of 1×10^{115} cells per flask. Cells are grown to confluence and then passaged into 162259276829213363391578010288128000 cm² flasks at a density of 1×10^{116} cells per flask. Cells are grown to confluence and then passaged into 324518553658426726783156020576256000 cm² flasks at a density of 1×10^{117} cells per flask. Cells are grown to confluence and then passaged into 649037107316853453566312041152512000 cm² flasks at a density of 1×10^{118} cells per flask. Cells are grown to confluence and then passaged into 1298074214633706907132624082305024000 cm² flasks at a density of 1×10^{119} cells per flask. Cells are grown to confluence and then passaged into 2596148429267413814265248164610048000 cm² flasks at a density of 1×10^{120} cells per flask. Cells are grown to confluence and then passaged into 5192296858534827628530496329220096000 cm² flasks at a density of 1×10^{121} cells per flask. Cells are grown to confluence and then passaged into 10384593717069655257060992658440192000 cm² flasks at a density of 1×10^{122} cells per flask. Cells are grown to confluence and then passaged into 20769187434139310514121985316880384000 cm² flasks at a density of 1×10^{123} cells per flask. Cells are grown to confluence and then passaged into 41538374868278621028243970633760768000 cm² flasks at a density of 1×10^{124} cells per flask. Cells are grown to confluence and then passaged into 83076749736557242056487941267521536000 cm² flasks at a density of 1×10^{125} cells per flask. Cells are grown to confluence and then passaged into 166153499473114484112975882535043072000 cm² flasks at a density of 1×10^{126} cells per flask. Cells are grown to confluence and then passaged into 332306998946228968225951765070086144000 cm² flasks at a density of 1×10^{127} cells per flask. Cells are grown to confluence and then passaged into 664613997892457936451903530140172288000 cm² flasks at a density of 1×10^{128} cells per flask. Cells are grown to confluence and then passaged into 1329227995784915872903807060280344576000 cm² flasks at a density of 1×10^{129} cells per flask. Cells are grown to confluence and then passaged into 2658455991569831745807614120560689152000 cm² flasks at a density of 1×10^{130} cells per flask. Cells are grown to confluence and then passaged into 5316911983139663491615228241121378304000 cm² flasks at a density of 1×10^{131} cells per flask. Cells are grown to confluence and then passaged into 10633823966279326983230456482242756608000 cm² flasks at a density of 1×10^{132} cells per flask. Cells are grown to confluence and then passaged into 21267647932558653966460912964485513216000 cm² flasks at a density of 1×10^{133} cells per flask. Cells are grown to confluence and then passaged into 42535295865117307932921825928971026432000 cm² flasks at a density of 1×10^{134} cells per flask. Cells are grown to confluence and then passaged into 85070591730234615865843651857942052864000 cm² flasks at a density of 1×10^{135} cells per flask. Cells are grown to confluence and then passaged into 170141183460469231731687303715884105728000 cm² flasks at a density of 1×10^{136} cells per flask. Cells are grown to confluence and then passaged into 340282366920938463463374607431768211456000 cm² flasks at a density of 1×10^{137} cells per flask. Cells are grown to confluence and then passaged into 680564733841876926926749214863536422912000 cm² flasks at a density of 1×10^{138} cells per flask. Cells are grown to confluence and then passaged into 1361129467683753853853498429727072845824000 cm² flasks at a density of 1×10^{139} cells per flask. Cells are grown to confluence and then passaged into 2722258935367507707706996859454145691648000 cm² flasks at a density of 1×10^{140} cells per flask. Cells are grown to confluence and then passaged into 5444517870735015415413993718908291383296000 cm² flasks at a density of 1×10^{141} cells per flask. Cells are grown to confluence and then passaged into 10889035741470030830827987437816582766592000 cm² flasks at a density of 1×10^{142} cells per flask. Cells are grown to confluence and then passaged into 21778071482940061661655974875633165533184000 cm² flasks at a density of 1×10^{143} cells per flask. Cells are grown to confluence and then passaged into 43556142965880123323311949751266331066368000 cm² flasks at a density of 1×10^{144} cells per flask. Cells are grown to confluence and then passaged into 87112285931760246646623899502532662132736000 cm² flasks at a density of 1×10^{145} cells per flask. Cells are grown to confluence and then passaged into 174224571863520493293247799005065324265472000 cm² flasks at a density of 1×10^{146} cells per flask. Cells are grown to confluence and then passaged into 348449143727040986586495598010130648530944000 cm² flasks at a density of 1×10^{147} cells per flask. Cells are grown to confluence and then passaged into 696898287454081973172991196020261297061888000 cm² flasks at a density of 1×10^{148} cells per flask. Cells are grown to confluence and then passaged into 1393796574908163946345982392040522594123776000 cm² flasks at a density of 1×10^{149} cells per flask. Cells are grown to confluence and then passaged into 2787593149816327892691964784081045188247552000 cm² flasks at a density of 1×10^{150} cells per flask. Cells are grown to confluence and then passaged into 5575186299632655785383929568162090376495104000 cm² flasks at a density of 1×10^{151} cells per flask. Cells are grown to confluence and then passaged into 11150372599265311570767859136324180752990208000 cm² flasks at a density of 1×10^{152} cells per flask. Cells are grown to confluence and then passaged into 22300745198530623141535718272648361505980416000 cm² flasks at a density of 1×10^{153} cells per flask. Cells are grown to confluence and then passaged into 44601490397061246283071436545296723011960832000 cm² flasks at a density of 1×10^{154} cells per flask. Cells are grown to confluence and then passaged into 89202980794122492566142873090593446023921664000 cm² flasks at a density of 1×10^{155} cells per flask. Cells are grown to confluence and then passaged into 178405961588244985132285746181186892047843328000 cm² flasks at a density of 1×10^{156} cells per flask. Cells are grown to confluence and then passaged into 356811923176489970264571492362373784095686656000 cm² flasks at a density of 1×10^{157} cells per flask. Cells are grown to confluence and then passaged into 713623846352979940529142984724747568191373312000 cm² flasks at a density of 1×10^{158} cells per flask. Cells are grown to confluence and then passaged into 1427247692705959881058285969449495136382746624000 cm² flasks at a density of 1×10^{159} cells per flask. Cells are grown to confluence and then passaged into 2854495385411919762116571938898990272765493248000 cm² flasks at a density of 1×10^{160} cells per flask. Cells are grown to confluence and then passaged into 5708990770823839524233143877797980545530986496000 cm² flasks at a density of 1×10^{161} cells per flask. Cells are grown to confluence and then passaged into 11417981541647679048466287755595961091061972992000 cm² flasks at a density of 1×10^{162} cells per flask. Cells are grown to confluence and then passaged into 22835963083295358096932575511191922182123945984000 cm² flasks at a density of 1×10^{163} cells per flask. Cells are grown to confluence and then passaged into 45671926166590716193865151022383844364247891968000 cm² flasks at a density of 1×10^{164} cells per flask. Cells are grown to confluence and then passaged into 91343852333181432387730302044767688728495783936000 cm² flasks at a density of 1×10^{165} cells per flask. Cells are grown to confluence and then passaged into 182687704666362864775460604089535377456991567872000 cm² flasks at a density of 1×10^{166} cells per flask. Cells are grown to confluence and then passaged into 365375409332725729550921208179070754913983135744000 cm² flasks at a density of 1×10^{167} cells per flask. Cells are grown to confluence and then passaged into 7307508186

XXX HROG24 | 300876

Incubation Atmosphere 37°C, 5% CO₂, 

Flask Coating

Freezing Procedure

Shipping Conditions

Storage Conditions 保持乾燥，於陰涼處儲存，避光，密封，於 15-19°C 儲存。儲存期為 2 年。

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[illegible]