

# Chordoma Foundation Cell Line Validation

## UM-Chor6

Cell Line Phenotype and Expression  
Analysis Report

June 27th, 2019

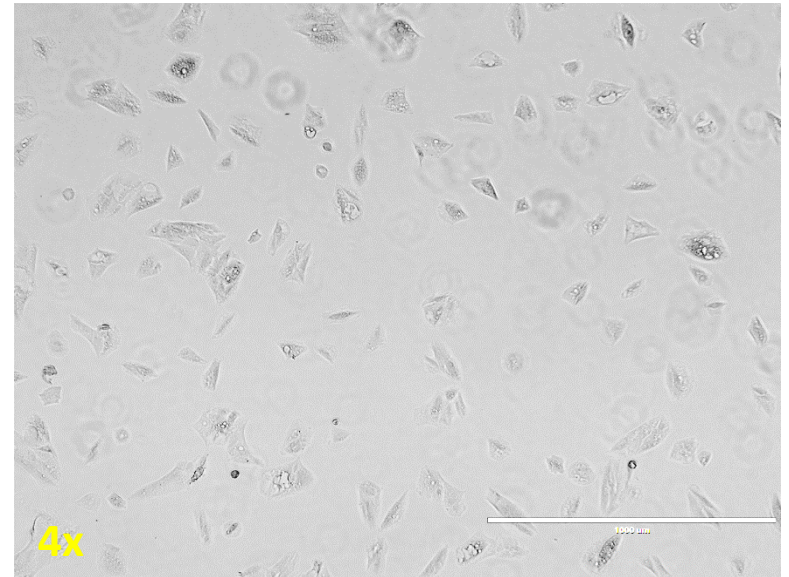
# Cell Line Receiving

Format Received	Date Received	Condition	Quantity	Passage	Initial Cell Count	Initial Cell Viability
Live Cells	April 10 <sup>th</sup> , 2019	Live	2x T25	18	n/a	n/a

## Growth Conditions

### Media:

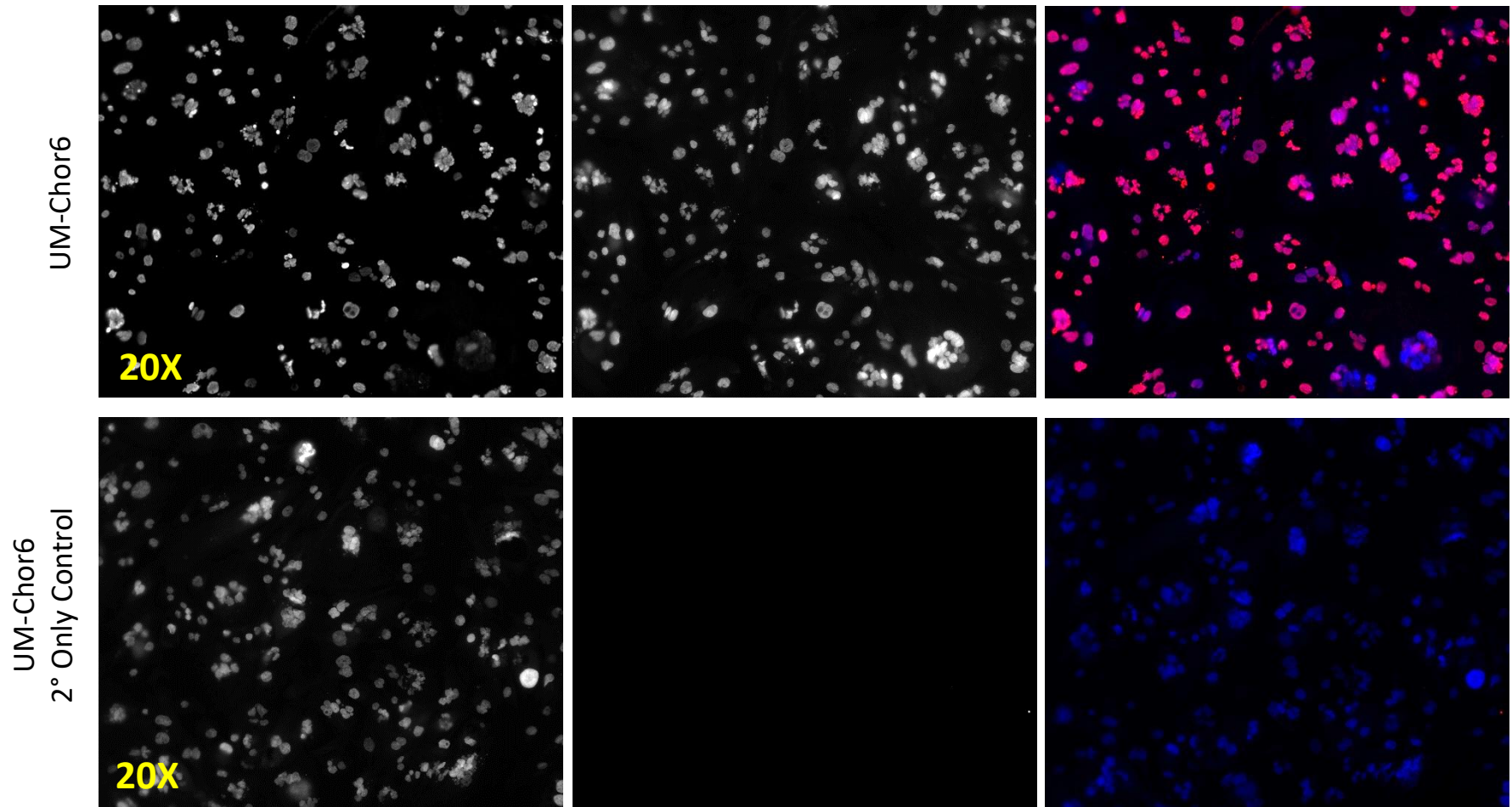
4:1 IMDM/RPMI + 20% FBS + 1X Non-Essential  
Amino Acids + Pen/Strep + 1X Anti-anti  
→ Passage when ~80-90% confluent  
→ Change media every 2-3 days  
→ Slow growing



UM-Chor6 arrival, live in T25

# Cell Line Immunofluorescence Validation

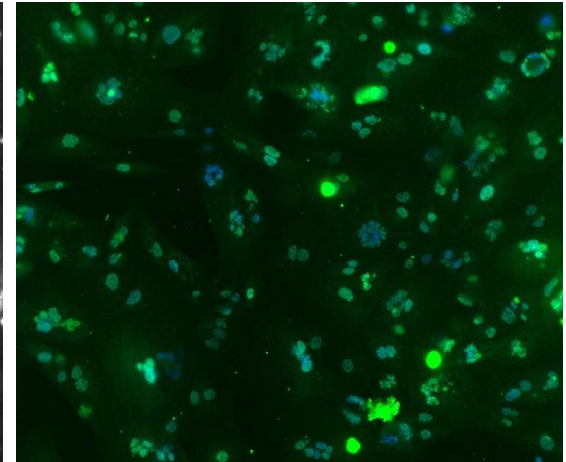
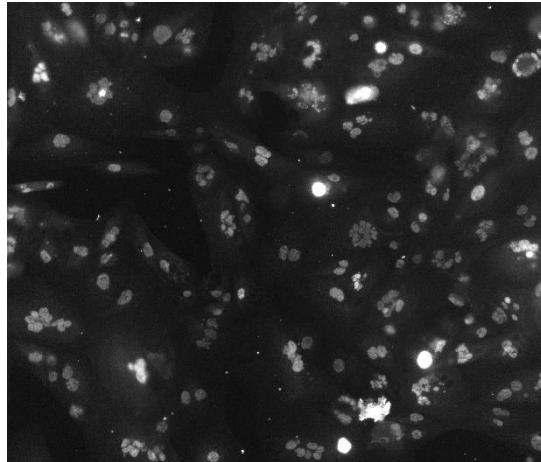
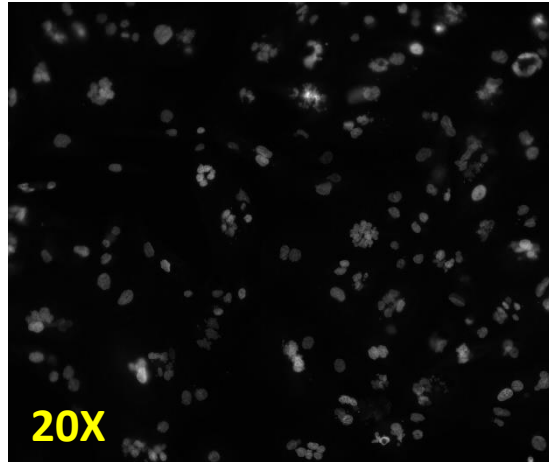
**UM-Chor6** Anti-Brachyury versus Secondary-only Negative Control



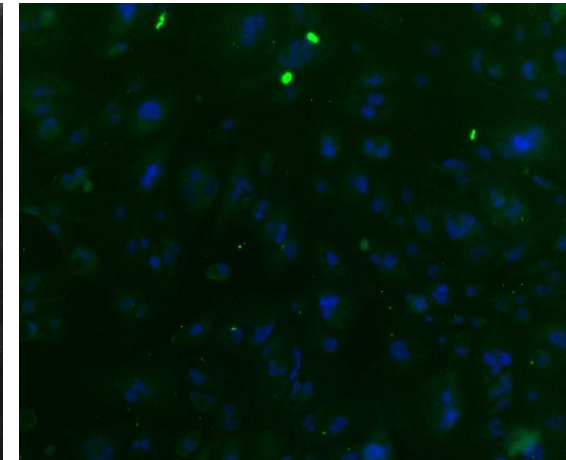
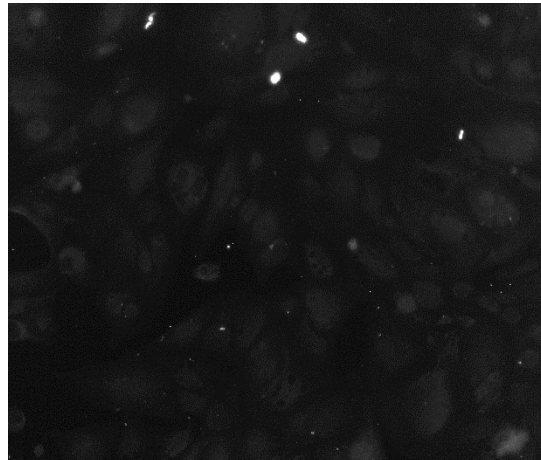
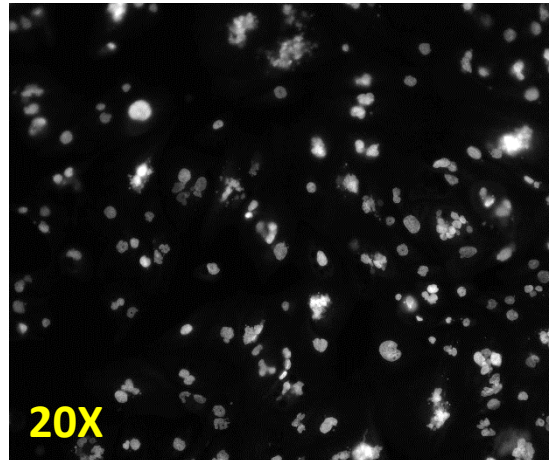
# Cell Line Immunofluorescence Validation

UM-Chor6 Anti-INI1 versus Secondary-only Negative Control

UM-Chor6



UM-Chor6  
2° Only Control



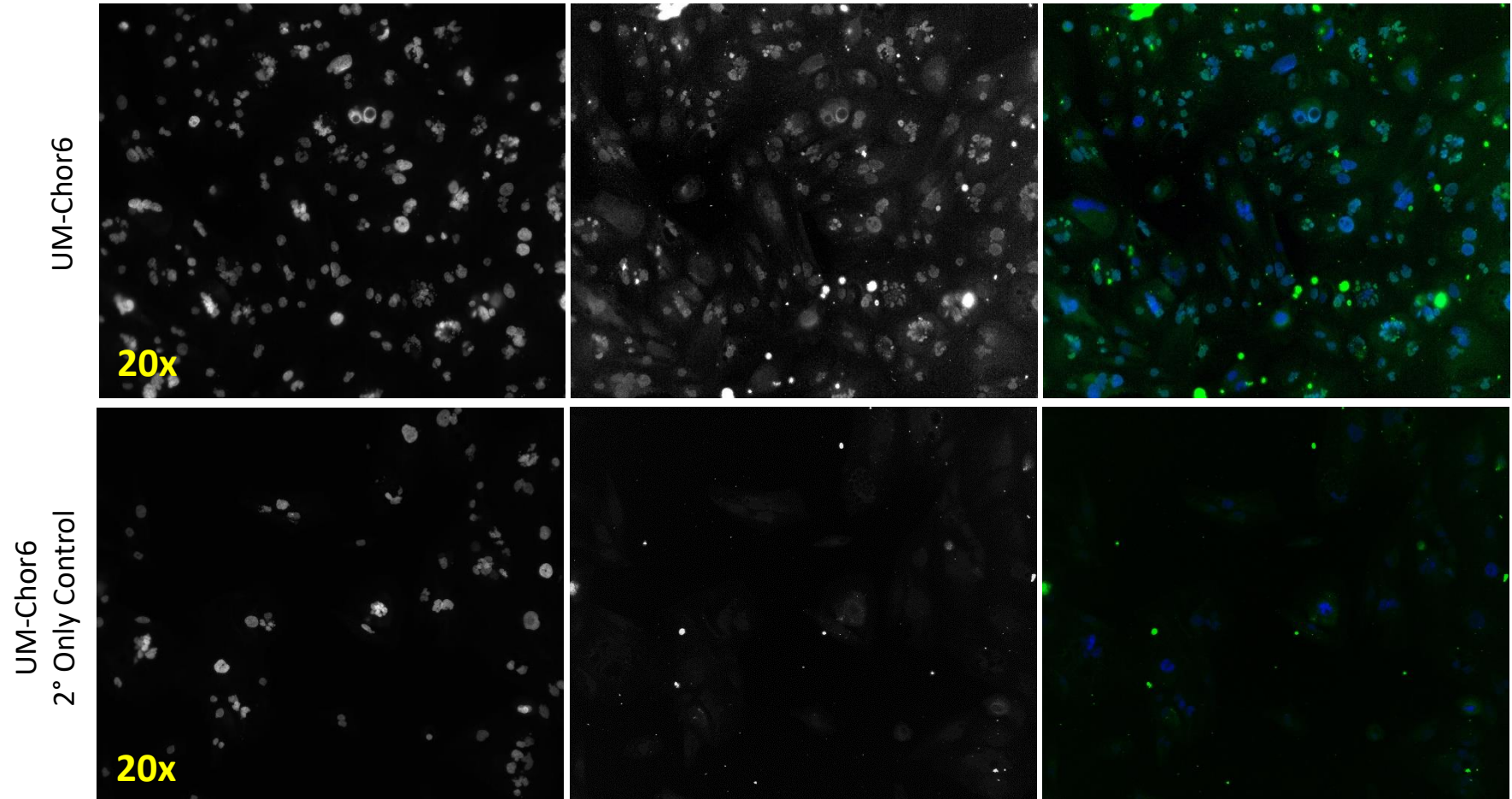
Comments:

Ini1 signal is weak



# Cell Line Immunofluorescence Validation

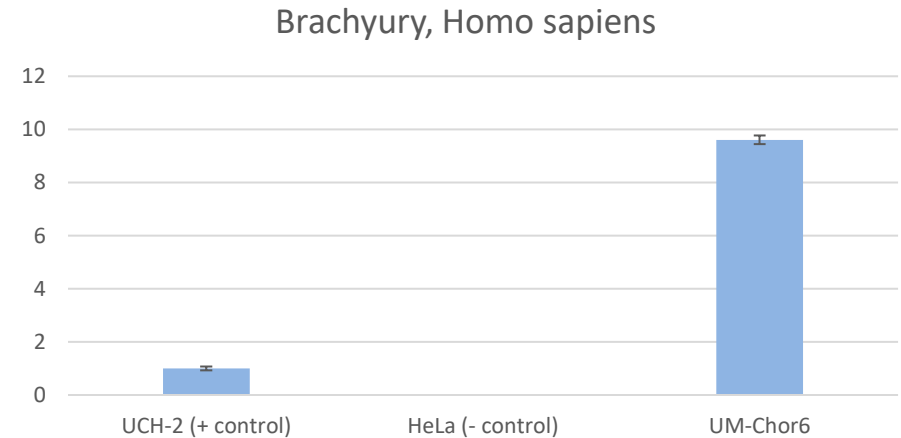
UM-Chor6 Anti-CD24 versus Secondary-only Negative Control



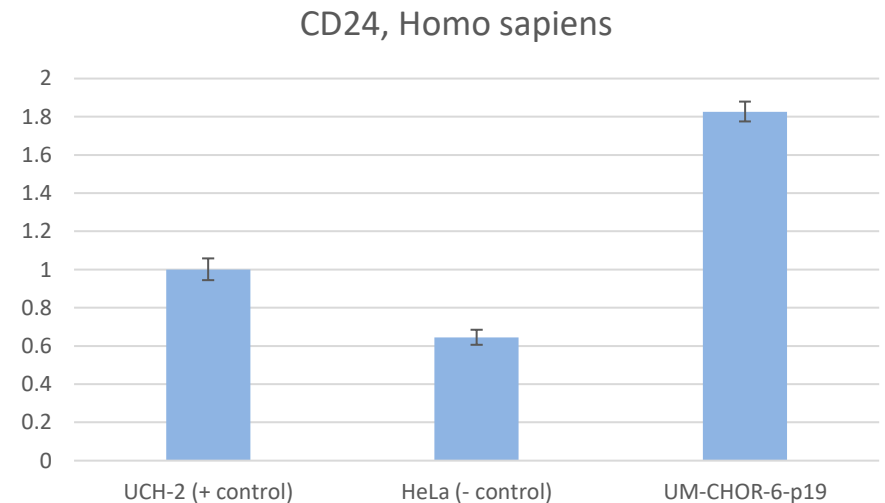
# Cell Line PCR Validation

Relative quantification of Brachyury and CD24 gene in UM-Chor6 cell line

Sample	Brachyury, Homo sapiens	Neg. Error	Pos. Error
UCH-2 (+ control)	1	0.07035358	0.07567779
HeLa (- control)	0.001217467	5.4058E-05	5.657E-05
UM-Chor6	9.607192857	0.16156955	0.16433324



Sample	CD24, Homo sapiens	Neg. Error	Pos. Error
UCH-2 (+ control)	1	0.05553702	0.05880275
HeLa (- control)	0.64365866	0.03854601	0.04100142
UM-CHOR-6-p19	1.8262531	0.05165074	0.05315406



# Cell Line Validation Results

Results summary report of UM-Chor6

TEST	SPECIFICATION	RESULTS
Cell Growth	Immortalized	Pass
STR Analysis	Human, unique	Pass
IF Validation	Signal in nucleus	Pass
PCR Validation	Expressing Brachyury and CD24	Pass

## Cell lot generated

Stock Lot#	
Cells per vial	
Lot Viability	
Passages	

Doubling time = ~21 days

No UM-Chor6 vials were frozen to cell stocks or shipped from Vala to the Chordoma Foundation. Thus no pictures of post-thaw cells or information on cell lots generated.