

# IL PIÙ VERSATILE SINGLE CELL TOOLKIT!

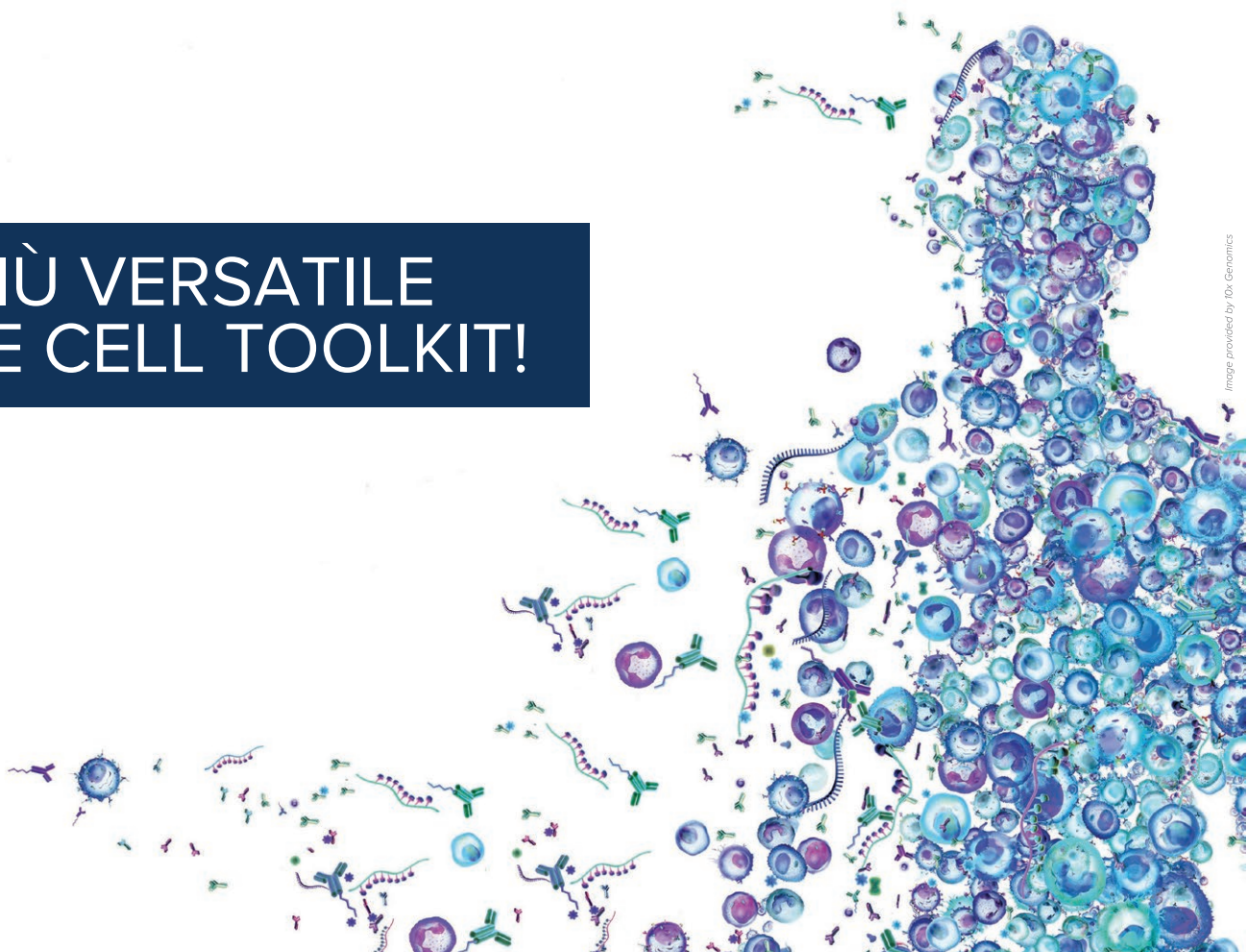


Image provided by 10x Genomics

Due chimiche robuste e riproducibili tra cui scegliere:

## GEM-X Universal Gene Expression o GEM-X Flex Gene Expression

*Sblocca il potenziale delle tecnologie 10x Genomics per esplorare nuove frontiere della conoscenza e massimizzare l'impatto scientifico della tua ricerca*



### FLESSIBILI

Analisi su qualsiasi tipologia di campione (da sangue intero a campioni FFPE)



### SENSIBILI

Design degli assay pensato per aumentare il numero di geni rilevabili



### RIPRODUCIBILI

Multiplexing ed un workflow unico per standardizzare le analisi



### CONVENIENTI

Maggior numero di cellule e migliore gestione dei tempi e costi



## GEM-X Universal Gene Expression

### Whole transcriptome coverage

- ✓ Broadest multiomic options and diverse species compatibility
- ✓ De novo discovery of isoforms, long non-coding RNA, and more
- ✓ Highest cell recovery for low-input samples

### PRODUCTS



GEM-X Universal 3'  
Gene Expression



GEM-X Universal 5'  
Gene Expression

### CHEMISTRY



Reverse  
transcription-based

### COMPATIBLE SPECIES



Agnostic

### COMPATIBLE SAMPLES



Cell  
suspensions



Fixed  
human PBMCs



DSP/Methanol-fixed



Nuclei  
suspensions



Fresh tissue



Organoids



Flow-sorted  
cells suspensions



Frozen tissue

### MULTIOMIC CAPABILITIES



Gene expression



Antigen  
specificity



CRISPR  
screening



TCR & BCR  
sequencing



Cell surface  
protein



Chromatin  
accessibility

### CELL & SAMPLE THROUGHPUT

#### GREAT FOR PILOT TO MID-SCALE STUDIES

##### Singleplex

- 20K cells/sample
- 160K cells/chip
- Output: 8 samples/chip

##### On-chip multiplexing

- 5K cells/sample
- 40K cells/chip
- Up to 4 samples/channel
- Output: 8 samples/chip

##### Hashing

- 8 channels/chip
- 60K cells/channel
- 480K cells/chip
- Output: 96+ samples/chip

	<h2>GEM-X Flex Gene Expression</h2> <h3>Protein coding gene coverage</h3> <ul style="list-style-type: none"> <li>✓ Analyze a broad range of sample types including FFPE and whole blood</li> <li>✓ Fix and batch flexible workflow</li> <li>✓ Customized content based on experimental need</li> <li>✓ Run up to 2.56M cells per chip</li> </ul>				
<b>PRODUCTS</b>	 GEM-X Flex Gene Expression				
<b>CHEMISTRY</b>	 Probe-based				
<b>COMPATIBLE SPECIES</b>	 Human	 Mouse	 Other species with custom probes		
<b>COMPATIBLE SAMPLES</b>	 Cell suspensions	 Fixed whole blood	 FFPE tissue		
	 Nuclei suspensions	 Fresh tissue	 PFA-fixed tissue		
	 Flow-sorted cells	 Frozen tissue	 Organoids		
<b>MULTIOMIC CAPABILITIES</b>	 Gene expression	 Intracellular protein			
	 Cell surface protein	 CRISPR screening			
<b>CELL &amp; SAMPLE THROUGHPUT</b>	<b>MAXIMUM SCALABILITY</b> <table border="0"> <tr> <td data-bbox="432 1816 730 1962"> <b>Singleplex</b> <ul style="list-style-type: none"> <li>• 20K cells/sample</li> <li>• 160K cells/chip</li> <li>• Output: 8 samples/chip</li> </ul> </td> <td data-bbox="767 1816 1064 1995"> <ul style="list-style-type: none"> <li>• <b>In-line multiplex</b></li> <li>• 20K cells/sample</li> <li>• 2.56M cells/chip</li> <li>• Up to 16 samples/channel</li> <li>• Output: 128 samples/chip</li> </ul> </td> </tr> </table>			<b>Singleplex</b> <ul style="list-style-type: none"> <li>• 20K cells/sample</li> <li>• 160K cells/chip</li> <li>• Output: 8 samples/chip</li> </ul>	<ul style="list-style-type: none"> <li>• <b>In-line multiplex</b></li> <li>• 20K cells/sample</li> <li>• 2.56M cells/chip</li> <li>• Up to 16 samples/channel</li> <li>• Output: 128 samples/chip</li> </ul>
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Soluzione	Chromium Xo	Chromium X
GEM-X Universal 3' Gene Expression	✓	✓
GEM-X Universal 3' Gene Expression Multiplex	✓	✓
GEM-X Universal 5' Gene Expression	✗	✓
GEM-X Universal 5' Gene Expression Multiplex	✗	✓
GEM-X Flex Gene Expression	✗	✓

## GEM-X

DUE SOLUZIONI E UN'UNICA PIATTAFORMA PER LE ANALISI SINGLE CELL

**10x**  
GENOMICS



PER MAGGIORI INFORMAZIONI,  
**CONTATTA IL TUO RAPPRESENTANTE EUROCLONE**

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