



## SMARTer NGS kit Selection Guide

RNA Sequencing: mRNA, Total, FFPE, Single Cells						Clontech Takara cellartis	
Code	Name	N. sample	Multiplexing/Index combinations	Input	Primer RT		
634836	SMARTer® Stranded RNA-Seq Kit	12 Rxns	12 indexes	10 ng - 100 ng	random primer	Total RNA	FFPE RNA and Any quality RNA in general (RIN from 2-10)
634837	SMARTer® Stranded RNA-Seq Kit	24 Rxns	12 indexes	10 ng - 100 ng	random primer		
634838	SMARTer® Stranded RNA-Seq Kit	48 Rxns	12 indexes	10 ng - 100 ng	random primer		
634839	SMARTer® Stranded RNA-Seq Kit	96 Rxns	12 indexes	10 ng - 100 ng	random primer		
634862	SMARTer® Stranded RNA-Seq Kit HT	96 Rxns	96 indexes	10 ng - 100 ng	random primer		
634861	SMARTer® Stranded Total RNA Sample Prep Kit - Low Input Mammalian	24 Rxns	12 indexes, RiboGone included	10 ng - 100 ng	random primer		
634411	SMARTer® Stranded Total RNA-Seq Kit v2 - Pico Input Mammalian	12 Rxns	12 indexes, RiboGone included	250 pg - 10 ng	random primer		
634412	SMARTer® Stranded Total RNA-Seq Kit v2 - Pico Input Mammalian	48 Rxns	48 indexes, RiboGone included	250 pg - 10 ng	random primer		
634413	SMARTer® Stranded Total RNA-Seq Kit v2 - Pico Input Mammalian	96 Rxns	96 indexes, RiboGone included	250 pg - 10 ng	random primer		
634873	SMARTer® Stranded Total RNA Sample Prep Kit - HI Mammalian	12 Rxns	12 indexes, RiboGone included	100 ng - 1 µg	random primer		
634874	SMARTer® Stranded Total RNA Sample Prep Kit - HI Mammalian	24 Rxns	12 indexes, RiboGone included	100 ng - 1 µg	random primer		
634875	SMARTer® Stranded Total RNA Sample Prep Kit - HI Mammalian	48 Rxns	48 indexes, RiboGone included	100 ng - 1 µg	random primer		
634876	SMARTer® Stranded Total RNA Sample Prep Kit - HI Mammalian	96 Rxns	96 indexes, RiboGone included	100 ng - 1 µg	random primer		
634442	SMART-Seq® Stranded Kit	12 Rxns	12 indexes, RiboGone Included	10 pg - 10 ng	random primer	mRNA	High quality RNA (RIN from 8-10)
634443	SMART-Seq® Stranded Kit	48 Rxns	48 indexes, RiboGone Included	10 pg - 10 ng	random primer		
634444	SMART-Seq® Stranded Kit	96 Rxns	96 indexes, RiboGone Included	10 pg - 10 ng	random primer		
634888	SMART-Seq® v4 Ultra® Low Input RNA Kit for Sequencing	12 Rxns		10 pg - 10 ng	oligo-dT		
634889	SMART-Seq® v4 Ultra® Low Input RNA Kit for Sequencing	24 Rxns		10 pg - 10 ng	oligo-dT		
634890	SMART-Seq® v4 Ultra® Low Input RNA Kit for Sequencing	48 Rxns		10 pg - 10 ng	oligo-dT		
634891	SMART-Seq® v4 Ultra® Low Input RNA Kit for Sequencing	96 Rxns		10 pg - 10 ng	oligo-dT		
635040	SMART-Seq® v4 3' DE Kit	96 Rxns		10 pg - 10 ng	oligo-dT		
635041	SMART-Seq® v4 3' DE Kit	192 Rxns		10 pg - 10 ng	oligo-dT		
634455	SMART-Seq® HT Kit	12 Rxns		10 pg - 1 ng	oligo-dT		
634456	SMART-Seq® HT Kit	48 Rxns		10 pg - 1 ng	oligo-dT		
634437	SMART-Seq® HT Kit	96 Rxns		10 pg - 1 ng	oligo-dT		
634438	SMART-Seq® HT Kit	192 Rxns		10 pg - 1 ng	oligo-dT		
634436	SMART-Seq® HT Kit	480 Rxns		10 pg - 1 ng	oligo-dT		

Single Cell

Small/Micro RNA and Methylation Sequencing				Clontech Takara cellartis	
Code	Name	N. sample	Multiplexing/Index combinations	Input	Primer RT
635029	SMARTer® smRNA-Seq Kit for Illumina®	12 Rxns	12 indexes	1 ng - 2 µg	3' polyadenylation/oligo-dT
635030	SMARTer® smRNA-Seq Kit for Illumina®	48 Rxns	48 indexes	1 ng - 2 µg	3' polyadenylation/oligo-dT
635031	SMARTer® smRNA-Seq Kit for Illumina®	96 Rxns	96 indexes	1 ng - 2 µg	3' polyadenylation/oligo-dT
R500653	SMARTer® microRNA-Seq Kit	16 Rxns	8 indexes	100 ng - 1 µg of total RNA or 2 ng - 200 ng of small RNA	Mono Adapter ligation and Intramolecular Circularization technology
R500654	SMARTer® microRNA-Seq Kit	48 Rxns	24 indexes	100 ng - 1 µg of total RNA or 2 ng - 200 ng of small RNA	
R500655	SMARTer® microRNA-Seq Kit	96 Rxns	48 indexes	100 ng - 1 µg of total RNA or 2 ng - 200 ng of small RNA	
635023	EpiXplore™ Meth-Seq DNA Enrichment Kit	12 Rxns	12 indexes	25 ng - 1 µg	

Accessories				Clontech Takara cellartis	
634846	RiboGone™ - Mammalian	6 Rxns		10 ng - 100 ng	
634847	RiboGone™ - Mammalian	24 Rxns		10 ng - 100 ng	
634451	SMARTer® RNA Unique Dual Index Kit – 24U	96 Rxns	24 indexes		
634452	SMARTer® RNA Unique Dual Index Kit – 96U	384 Rxns	96 indexes		
638325	DNA Standards for Library Quantification	50 Rxns			qPCR method
638324	Library Quantification Kit	500 Rxns			qPCR method

Immune-Profiling				Clontech Takara cellartis	
635014	SMARTer® Human TCR a/b Profiling Kit	12 Rxns	12 indexes	10 ng - 3 µg of RNA or 50 - 10,000 T cells	
635015	SMARTer® Human TCR a/b Profiling Kit	48 Rxns	48 indexes	10 ng - 3 µg of RNA or 50 - 10,000 T cells	
635016	SMARTer® Human TCR a/b Profiling Kit	96 Rxns	96 indexes	10 ng - 3 µg of RNA or 50 - 10,000 T cells	
634402	SMARTer® Mouse TCR a/b Profiling Kit	12 Rxns	12 indexes	10 ng - 500 ng of RNA or 1,000 - 10,000 T cells	
634403	SMARTer® Mouse TCR a/b Profiling Kit	48 Rxns	48 indexes	10 ng - 500 ng of RNA or 1,000 - 10,000 T cells	
634404	SMARTer® Mouse TCR a/b Profiling Kit	96 Rxns	96 indexes	10 ng - 500 ng of RNA or 1,000 - 10,000 T cells	
634431	SMARTer® Human scTCR a/b Profiling Kit	96 Rxns	96 indexes	Single Cell	
634432	SMARTer® Human scTCR a/b Profiling Kit	480 Rxns	480 indexes	Single Cell	
634422	SMARTer® Mouse BCR IgG H/K/L Profiling Kit	12 Rxns	12 indexes	10 ng - 3 µg of total RNA	
634423	SMARTer® Mouse BCR IgG H/K/L Profiling Kit	48 Rxns	48 indexes	10 ng - 3 µg of total RNA	
634424	SMARTer® Mouse BCR IgG H/K/L Profiling Kit	96 Rxns	96 indexes	10 ng - 3 µg of total RNA	

**Immune-Profiling**

 Clontech **Takara** cellartis

Code	Name	N. sample	Input	Primer	Application	Note
R400674	SMARTer® ThruPLEX® DNA-Seq Kit	24 Rxns	50 pg - 50 ng	stem loop adapter	WGA, Amplicon, ChIP-seq, Exome, FFPE, Plasma	for index see SMARTer DNA index kits
R400675	SMARTer® ThruPLEX® DNA-Seq Kit	48 Rxns	50 pg - 50 ng	stem loop adapter	WGA, Amplicon, ChIP-seq, Exome, FFPE, Plasma	for index see SMARTer DNA index kits
R400676	SMARTer® ThruPLEX® DNA-Seq Kit	96 Rxns	50 pg - 50 ng	stem loop adapter	WGA, Amplicon, ChIP-seq, Exome, FFPE, Plasma	for index see SMARTer DNA index kits
R400677	SMARTer® ThruPLEX® DNA-Seq Kit	480 Rxns	50 pg - 50 ng	stem loop adapter	WGA, Amplicon, ChIP-seq, Exome, FFPE, Plasma	for index see SMARTer DNA index kits
R400679	SMARTer® ThruPLEX® Plasma-Seq Kit	24 Rxns	1 ng - 30 ng	stem loop adapter	Plasma-Seq (CTC, NIPT), cfDNA	for index see SMARTer DNA index kits
R400680	SMARTer® ThruPLEX® Plasma-Seq Kit	48 Rxns	1 ng - 30 ng	stem loop adapter	Plasma-Seq (CTC, NIPT), cfDNA	for index see SMARTer DNA index kits
R400681	SMARTer® ThruPLEX® Plasma-Seq Kit	96 Rxns	1 ng - 30 ng	stem loop adapter	Plasma-Seq (CTC, NIPT), cfDNA	for index see SMARTer DNA index kits
R400682	SMARTer® ThruPLEX® Plasma-Seq Kit	480 Rxns	1 ng - 30 ng	stem loop adapter	Plasma-Seq (CTC, NIPT), cfDNA	for index see SMARTer DNA index kits
R400585	SMARTer® ThruPLEX® Tag-seq 48S Kit	48 Rxns	1 ng - 50 ng	stem loop adapter+UMI	Circulating Tumor Cell (CTC), Rare Mutations	Illumina Indexes included
R400584	SMARTer® ThruPLEX® Tag-seq 6S (12) Kit	12 Rxns	1 ng - 50 ng	stem loop adapter+UMI	Circulating Tumor Cell (CTC), Rare Mutations	Illumina Indexes included
R400586	SMARTer® ThruPLEX® Tag-seq 96D Kit	96 Rxns	1 ng - 50 ng	stem loop adapter+UMI	Circulating Tumor Cell (CTC), Rare Mutations	Illumina Indexes included
R300669	SMARTer® PicoPLEX® Gold Single Cell DNA-seq Kit	24 Rxns	1-10 cellule o 6 pg - 60 pg DNA	quasi random primer WGA+N-GS Indexes	Single Cell CNV and SNP analysis	for index see SMARTer DNA index kits
R300670	SMARTer® PicoPLEX® Gold Single Cell DNA-seq Kit	96 Rxns	1-10 cellule o 6 pg - 60 pg DNA	quasi random primer WGA+N-GS Indexes	Single Cell CNV and SNP analysis	for index see SMARTer DNA index kits
R300698	SMARTer® PicoPLEX® Gold Single Cell DNA-seq Kit	384 Rxns	1-10 cellule o 6 pg - 60 pg DNA	quasi random primer WGA+N-GS Indexes	Single Cell CNV and SNP analysis	for index see SMARTer DNA index kits
R300671	SMARTer® PicoPLEX® Single Cell WGA Kit	24 Rxns	1-10 cellule o 6 pg - 60 pg DNA	quasi random primer WGA	Whole Genome Amplification	downstream applications: qPCR, PCR, Array, NGS
R300672	SMARTer® PicoPLEX® Single Cell WGA Kit	96 Rxns	1-10 cellule o 6 pg - 60 pg DNA	quasi random primer WGA	Whole Genome Amplification	downstream applications: qPCR, PCR, Array, NGS
R300673	SMARTer® PicoPLEX® Single Cell WGA Kit	480 Rxns	1-10 cellule o 6 pg - 60 pg DNA	quasi random primer WGA	Whole Genome Amplification	downstream applications: qPCR, PCR, Array, NGS

## Immune-Profiling

Clontech **Takara** cellartis

Code	Name	N. sample	Indexes	Libraries Multiplexing
R400664	SMARTer® DNA HT Dual Index Kit - 24N	48 Rxns	24 indexes	24
R400660	SMARTer® DNA HT Dual Index Kit - 96N Set A	96 Rxns	96 indexes	384
R400661	SMARTer® DNA HT Dual Index Kit - 96N Set B	96 Rxns	96 indexes	
R400662	SMARTer® DNA HT Dual Index Kit - 96N Set C	96 Rxns	96 indexes	
R400663	SMARTer® DNA HT Dual Index Kit - 96N Set D	96 Rxns	96 indexes	
R400695	SMARTer® DNA Single Index Kit - 12S Set A	96 Rxns	12 indexes	
R400697	SMARTer® DNA Single Index Kit - 12S Set B	96 Rxns	12 indexes	12
R400665	SMARTer® DNA Unique Dual Index Kit - 24U Set A	48 Rxns	24 indexes	96
R400666	SMARTer® DNA Unique Dual Index Kit - 24U Set B	48 Rxns	24 indexes	
R400667	SMARTer® DNA Unique Dual Index Kit - 24U Set C	48 Rxns	24 indexes	
R400668	SMARTer® DNA Unique Dual Index Kit - 24U Set D	48 Rxns	24 indexes	

### In esclusiva per l'Italia:



### Altri marchi:



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