

Materials used for cRNA production

Ordering information for cRNA production based on Affymetrix manuals.

	Contains	Quantity
900493 – One Cycle Target Labeling and Control Reagents (30 rxns)	IVT labeling Kit	1
	One-Cycle cDNA Synthesis Kit	1
	Sample Cleanup Module	1
	Poly-A RNA Control Kit	1
	Hybridisation Controls	1
900494 – Two Cycle Target Labeling and Control Reagents (30 rxns)	IVT Labeling Kit	1
	Two-Cycle cDNA Synthesis Kit	1
	Sample Cleanup Module	1
	Poly-A RNA Control Kit	1
	Hybridisation Controls	1
	Still requires IVT kit from Ambion	

The following kits can be ordered separately

One-Cycle cDNA Synthesis Kit	30 rxns	900431
Two-Cycle cDNA Synthesis Kit	30 rxns	900432
T7-Oligo(dT) Promoter Primer Kit (already included in the cDNA Synthesis Kits)	150 rxns	900375
Sample Cleanup Module	30 rxns	900371
IVT labeling Kit	30 rxns	900449
Poly-A RNA Control Kit	~ 100 rxns	900433

Ordering information for cRNA production based on small scale method by Baugh et al.

First Strand cDNA synthesis reagents :

- T7-(T)24 Primer is ordered from geneworks
- Superscript II reverse transcriptase 2000U Gibco Life Sciences Order No. 18064-022 (you get the DTT and First strand buffer with this)
- dNTP's Promega 100mM 400ul for each CatNo? U120A, U121A, U122A and U123A

Second Strand cDNA synthesis :

- DNA polymerase I, E.coli 250U (5U/ul) Roche/Boehringer Order No.642711
- E.coli DNA Ligase, 100U (10U/ul) Invitrogen Order No. 18052-019
- RNase H 25U (1U/ul) Roche Order No. 786349
- 2nd stand buffer - 5X Second strand buffer 500UL Gibco the cat no. is 10812-014
- dNTP's Promega product 100mM 400ul for each Cat No U120A, U121A, U122A and U123A
- T4 DNA polymerase 100U (1U/ul) Roche Order No. 1004786
- Spin Phase Lock tubes (dsCDNA clean up) Eppendorf Order Number 32005.101
- T4 Gene32 Amersham-USB Part no. 70029Z (must be made more concentrated)
- Rnase Inhibitor Geneworks 2500U 40U/ul cat no. P.18A
- Micro Bio-Spin 6 Chromatography Columns Cat no 732-6221 Biorad
- Glycogen 20mg Roche Order No. 901393

IVT reagents:

-GeneChip IVT labeling kit 30 reactions Millenium Sceince 900449
-IVT clean up RNAeasy miniKit 50 tubes Qiagen Order No. 74104

Company Phone Numbers:

Qiagen	03 94893666
Geneworks	1800 882 555
Roche	1800 023 617
Invitrogen	1800 882 555
Millenium Science	03 3830 7922
Promega	1800-335-435